Colour television

Chassis

Service
Service
Service

FL 1.1 AC
FL 1.7 AA

ServiceManual

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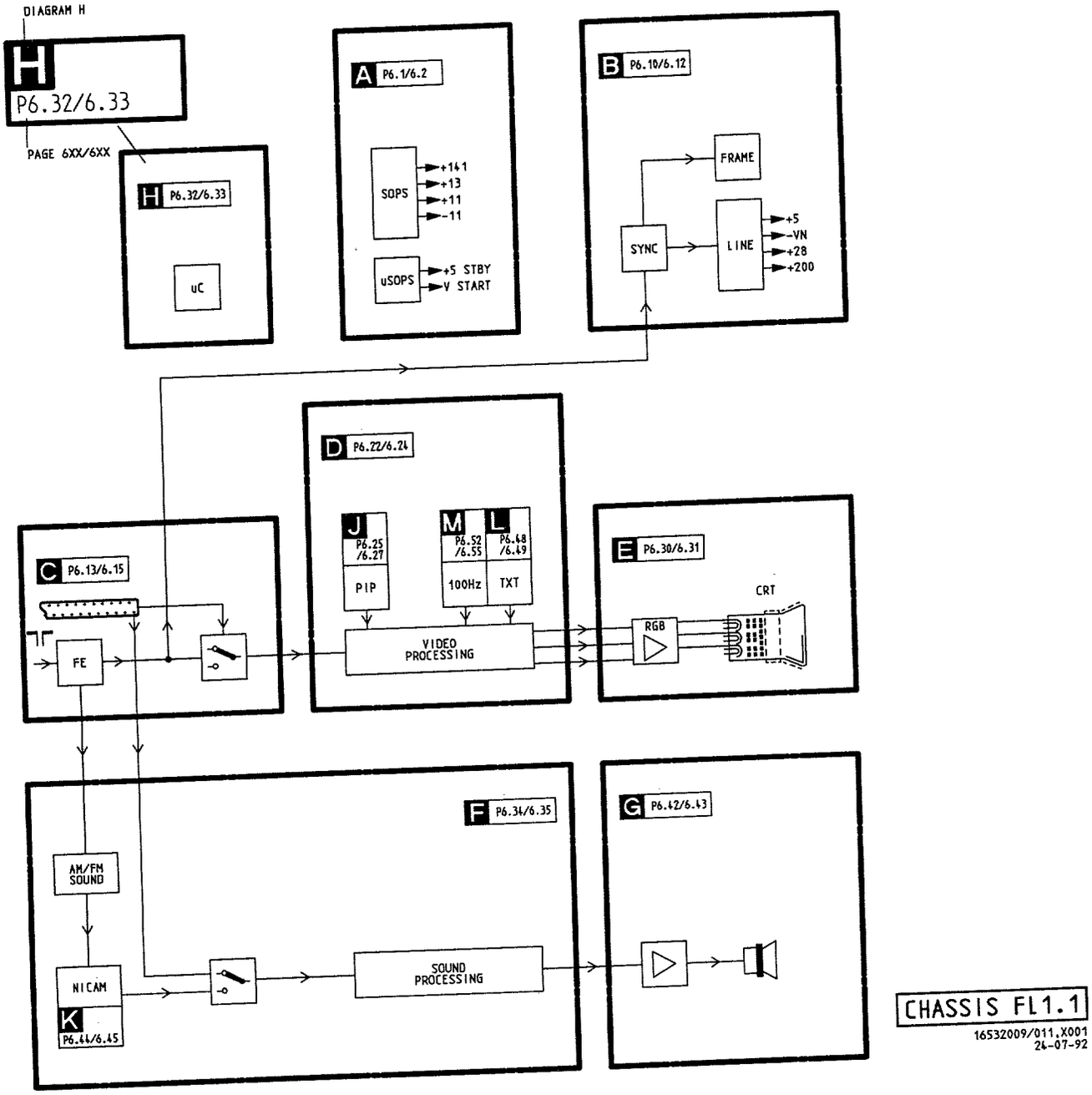
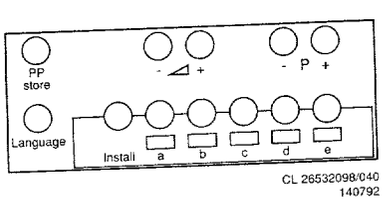
1.2 CHASSIS FL1.1 Block diagram



Technical data

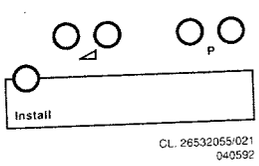
Mains voltage	: 220 - 240 V (± 10%) : 50 Hz - 60 Hz (± 5%)
Aerial input impedance	: 75 Ω - koaxial
Minimum aerial voltage	: 30 µV (VHF), 40 µV (UHF)
Maximum aerial voltage VHF/S/UHF	: 180 µV
Pull-in range colour synchronization	: ± 300 Hz
Pull-in range horizontal synchronization	: +200 Hz/-300Hz
Programmes	: 0 - 59
VCR programmes	: 0, 00, 50 - 59

Local operation functions:

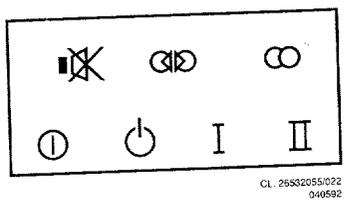


FL1.1

Indications:
- On Screen Display (OSD)
- LED:



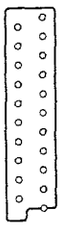
FL1.7



Connection facilities

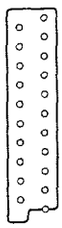
1. Specification of the connectors

EXT1 (AUX)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio ⊕ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -Blue ⊥
6 -Audio ⊕ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 -Blue (0,7V_{pp}/75Ω)
8 -CVBS-status 1 ⊕ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 -Green ⊥
10 --
11 -Green (0,7V_{pp}/75Ω)
12 --
13 -Red ⊥
14 --
15 -Red (0,7V_{pp}/75Ω)
16 -RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊖→ (1V_{pp}/75Ω)
20 -CVBS ⊕ (1V_{pp}/75Ω)
21 -Earthscreen

EXT2 (VCR)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio ⊕ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -
6 -Audio ⊕ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 --
8 -CVBS-status 2 ⊕ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 --
10 --
11 --
12 --
13 --
14 --
15 --
16 --
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊕ (1V_{pp}/75Ω)
20 -CVBS ⊕ (1V_{pp}/75Ω)
21 -Earthscreen

EXT3 (front)

SVHS[1)] 1 - ⊥
2 - ⊥
3 - Y ⊕ (1V_{pp}; 75Ω)
4 - C ⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Video ⊕ 300mV_{pp}/75Ω[1)]
◎ CINCH Audio ⊕ L (0,5V_{RMS}; ≥ 10kΩ)[1)]
◎ CINCH Audio ⊕ R (0,5V_{RMS}; ≥ 10kΩ)[1)]

3.5mm 32-2000Ω ≥ 10mW

Audio out (rear)

◎ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)
◎ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)

front : 2 x 16W / 8Ω[1)]
rear : 2 x 6W / 8Ω[1)]

EXT2 (SVHS) (rear)

SVHS 1 - ⊥
2 - ⊥
3 - Y ⊕ (1V_{pp}; 75Ω)
4 - C ⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊕ L (0,5V_{RMS}; ≥ 10kΩ)
◎ CINCH Audio ⊕ R (0,5V_{RMS}; ≥ 10kΩ)

SVHS[1)] 1 - ⊥
2 - ⊥
3 - Y ⊖→ (1V_{pp}; 75Ω)
4 - C ⊖→ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)[1)]
◎ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)[1)]

[1)] Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2' (SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

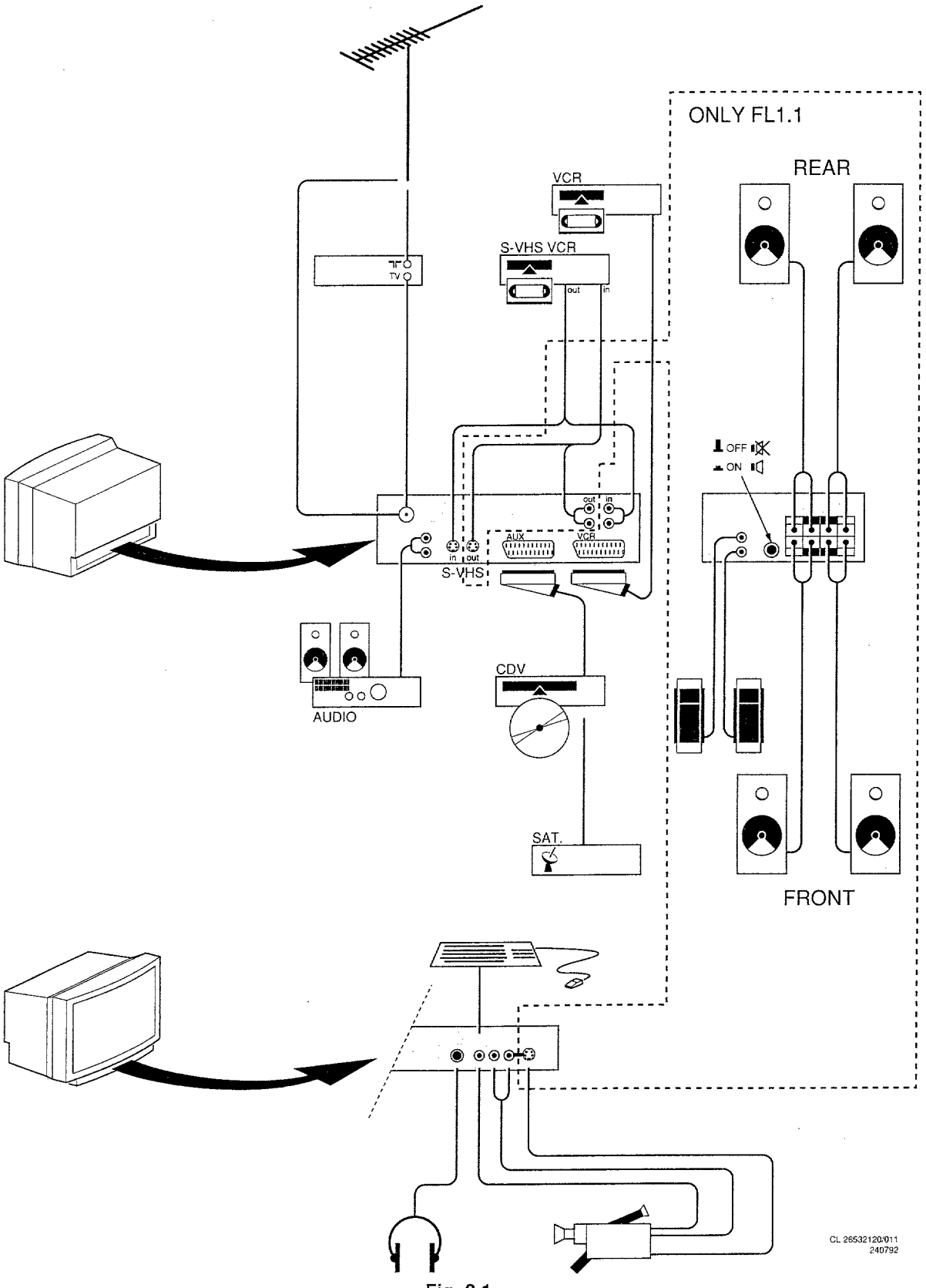


Fig. 2.1

Warnings

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol ⚠.

2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, the method shown in Fig.1 should be used to discharge the picture tube. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is OV (after approx. 30s).

3. **ESD**

   All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten the life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.

5. Be careful when taking measurements in the high-voltage section and on the picture tube.

6. Never replace modules or other components while the unit is switched on.

7. It is recommended that safety goggles are worn when replacing the picture tube.

8. When making settings, use plastic rather than metal tools.
   This will prevent any short circuits and the danger of a circuit becoming unstable.

9. After repair the wiring should be fastened once more in the cable clamps for this purpose.

10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
    The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.

11. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

12. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

Notes

1. The direct voltages and oscillograms should be measured with regard to the tuner earth (⊥), or hot earth (⊥↯) as this is called.

2. The direct voltages and oscillograms shown in the diagrams should be measured in the Service Default Mode (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

3. Where necessary, the oscillograms and direct voltages are measured with (⌐¦⌐) and without aerial signal (⌐╳⌐). Voltages in the power supply section are measured both for normal operation (⏻) and in standby (⏻). These values are indicated by means of the appropriate symbols.

4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.

5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.

7. In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
   5 times: 4822 395 30261
   10 times: 4822 395 30257

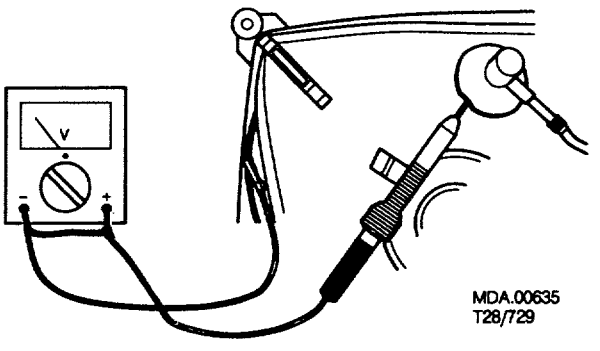


fig. 3.1

1. R
   R
   R
   R
   R
   it.
   A
   th

2. S
   p
   U
   P
   tir

3. S
   R
   la
   Ti
   pa
   of
   ar

Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (L36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it.
Attach the back plate by carrying out the above in the reverse order.

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

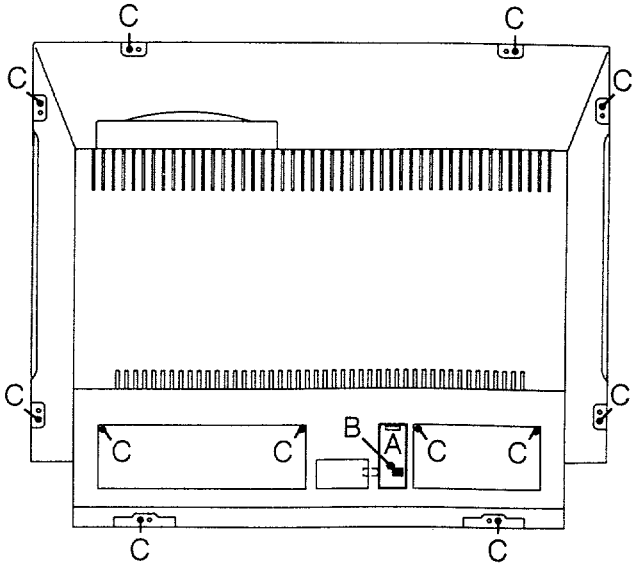
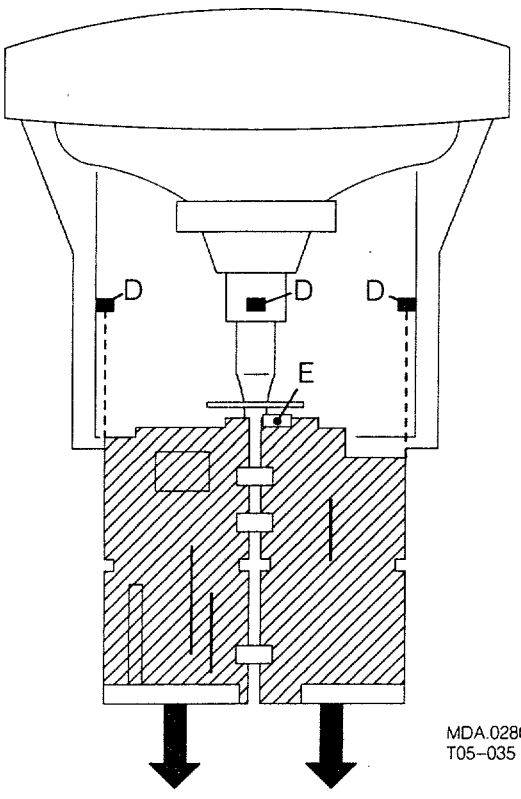


Fig. 4.1

MDA.02803
T05-035



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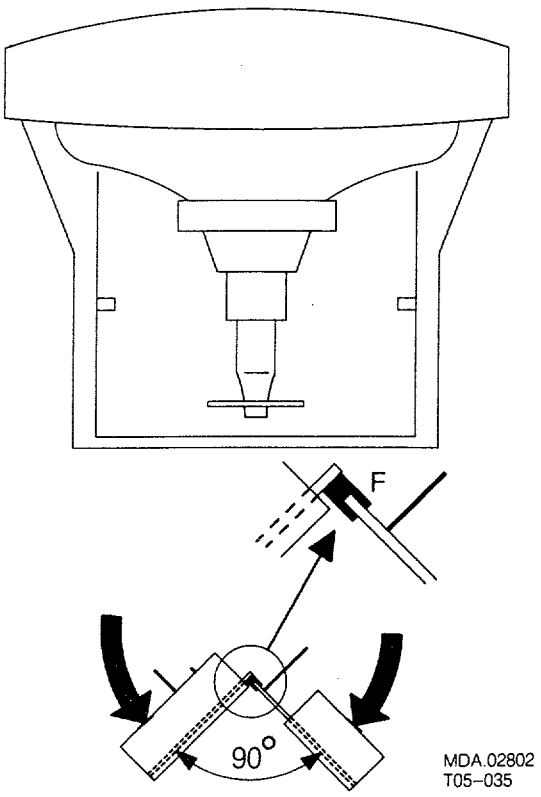
T05-035

Fig. 4.2



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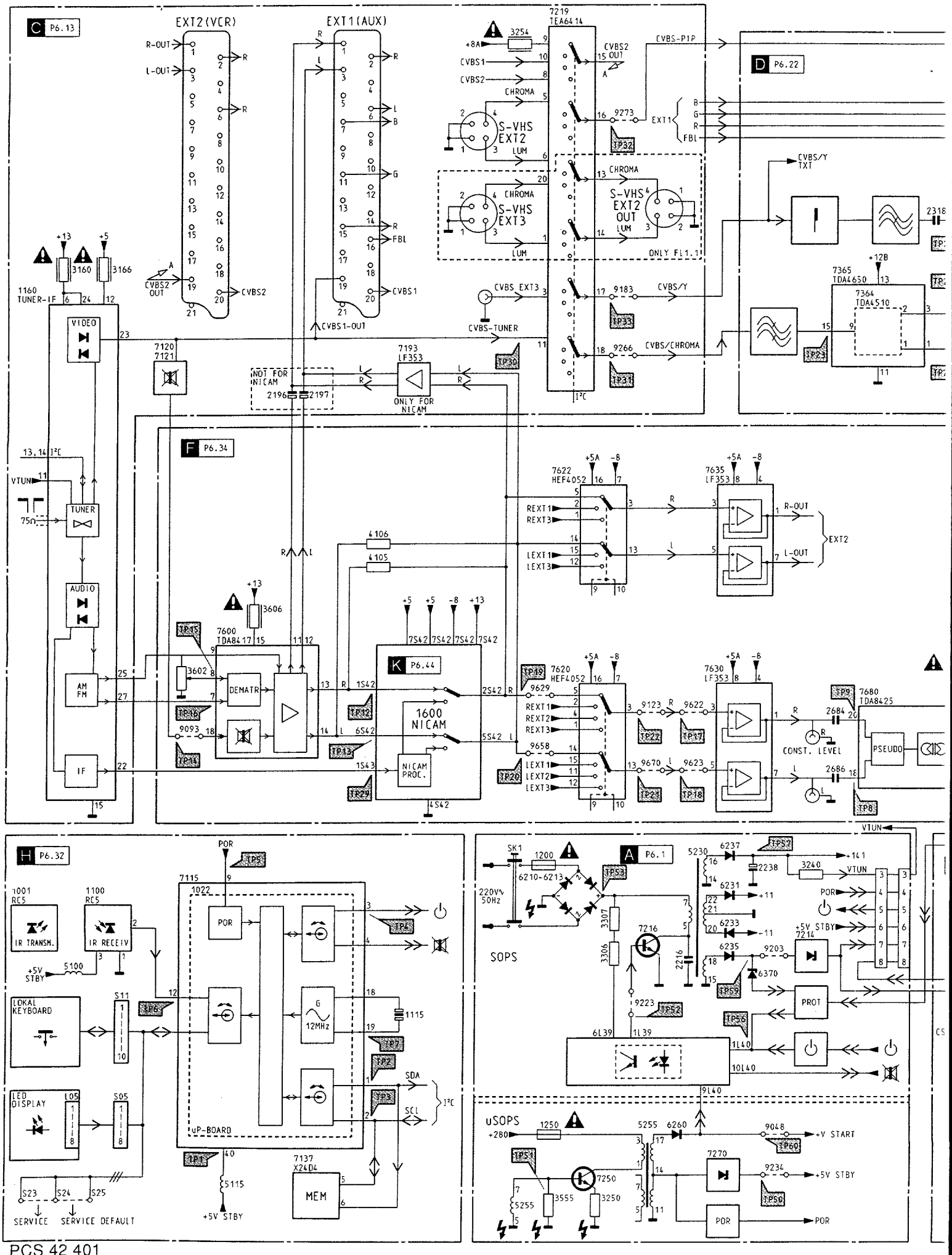
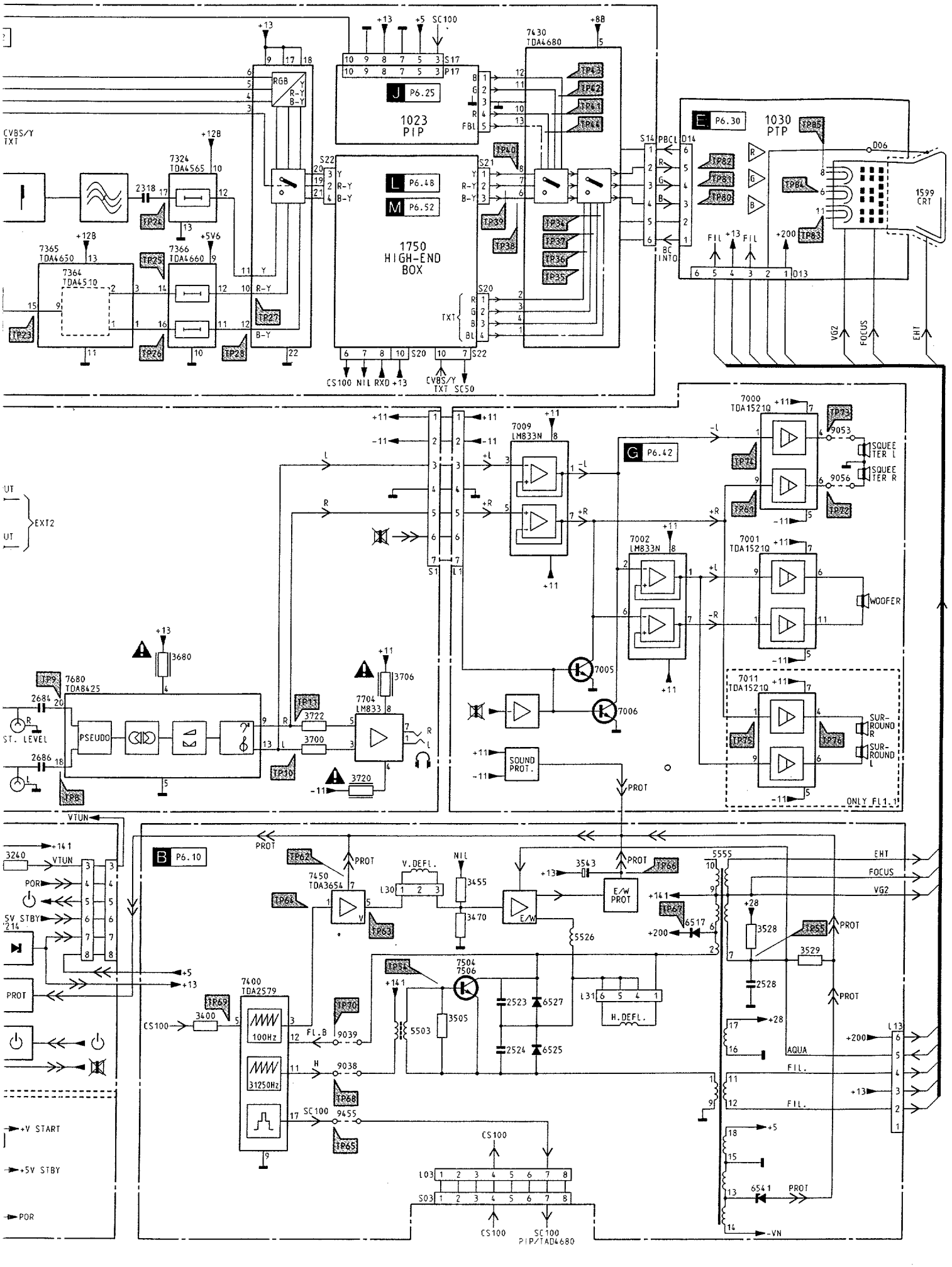
T05-035

Fig. 4.3

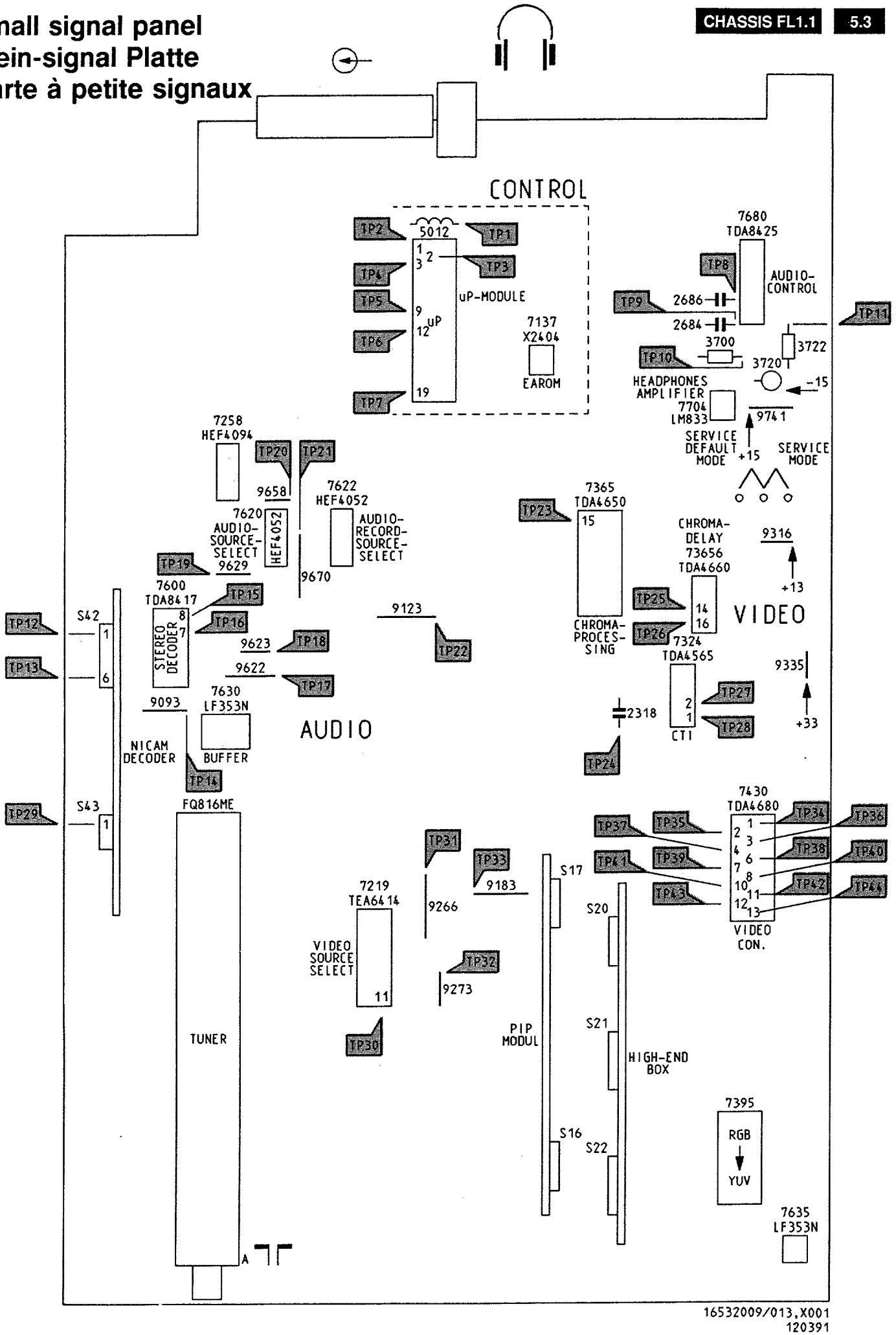
Blockdiagram / Blockschaltbild /



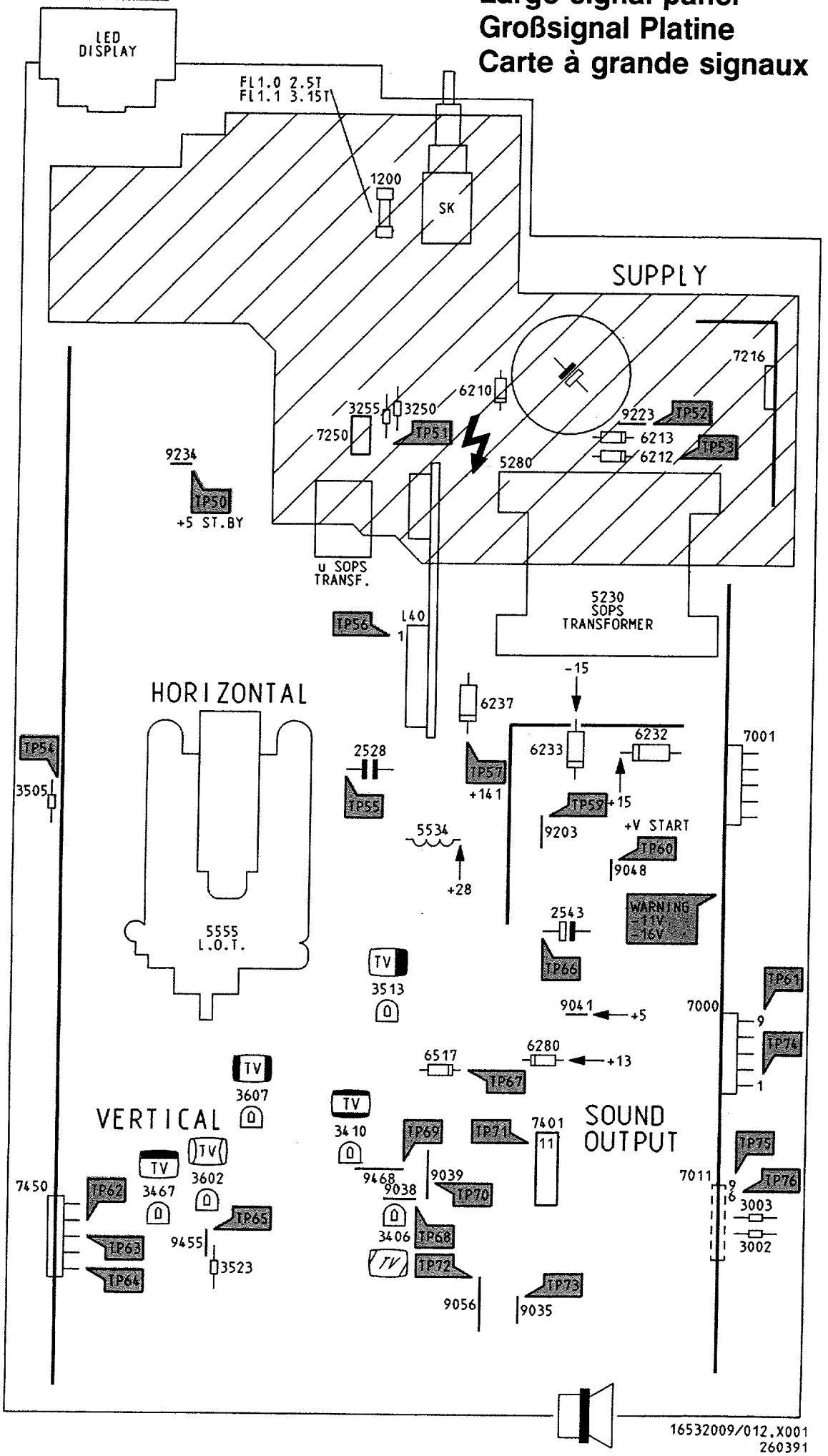
5.1 5.2 CHASSIS FL 1.1 Diagramme schématique



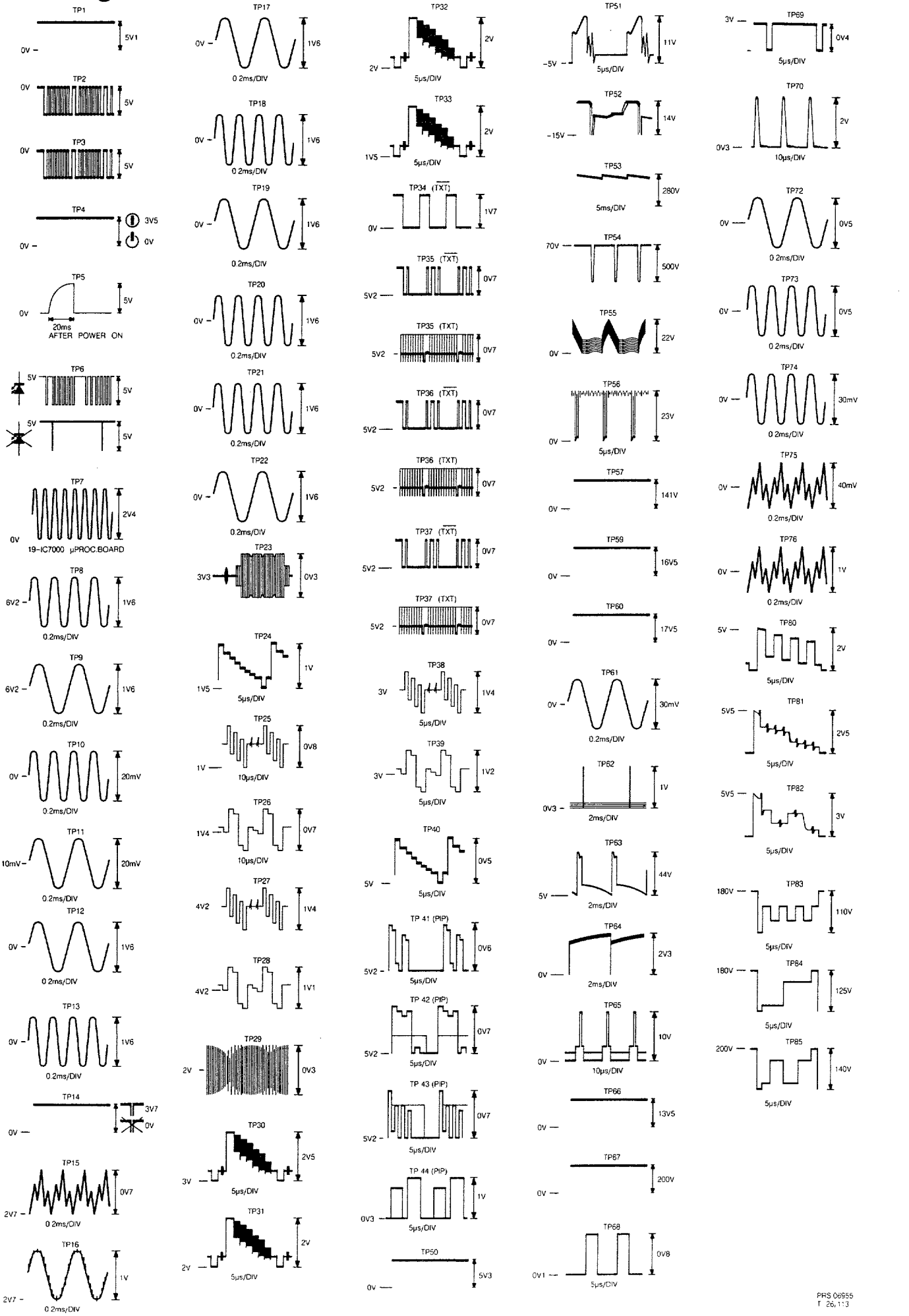
Small signal panel
Klein-signal Platte
Carte à petite signaux



Large signal panel
Großsignal Platine
Carte à grande signaux



Oscillograms



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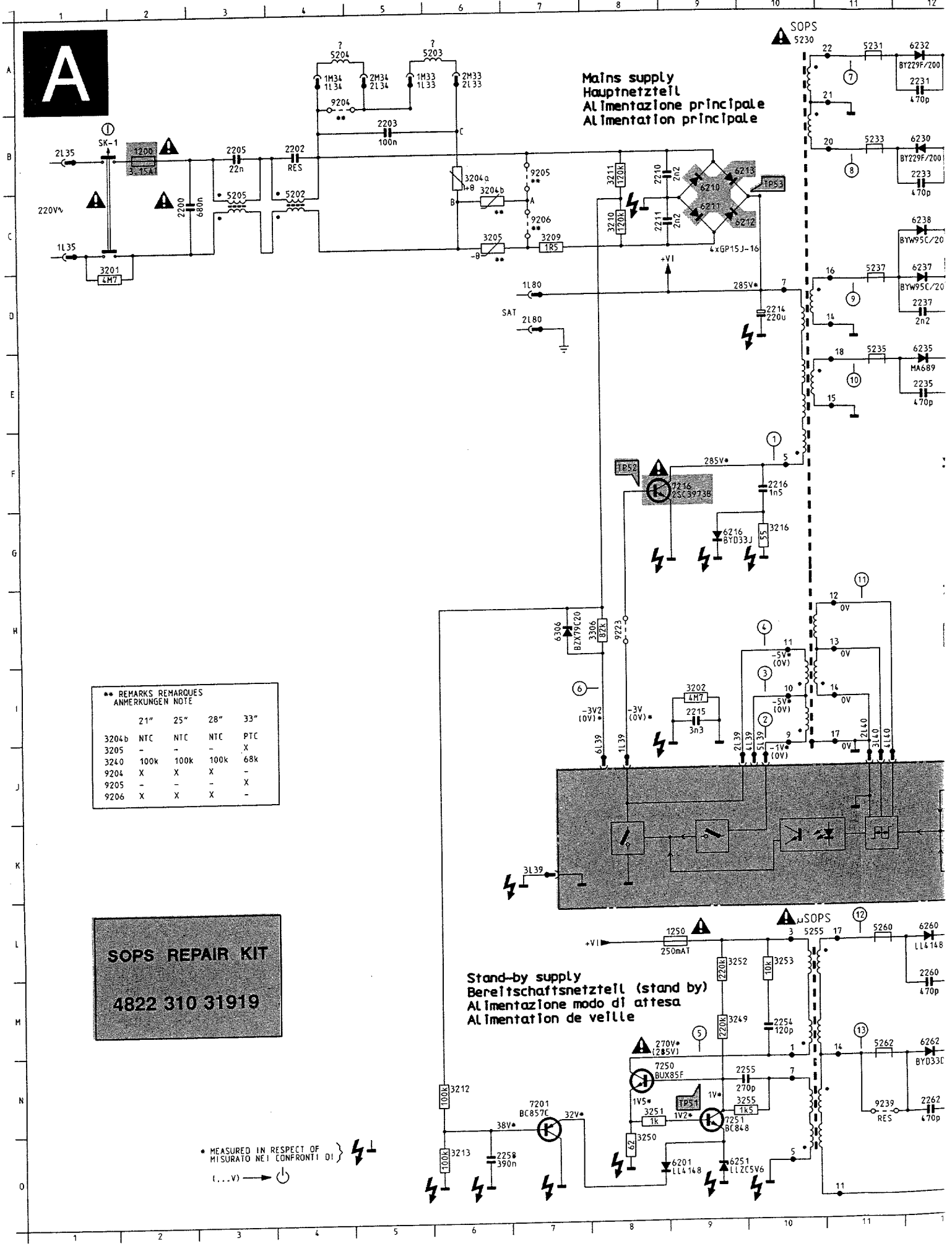
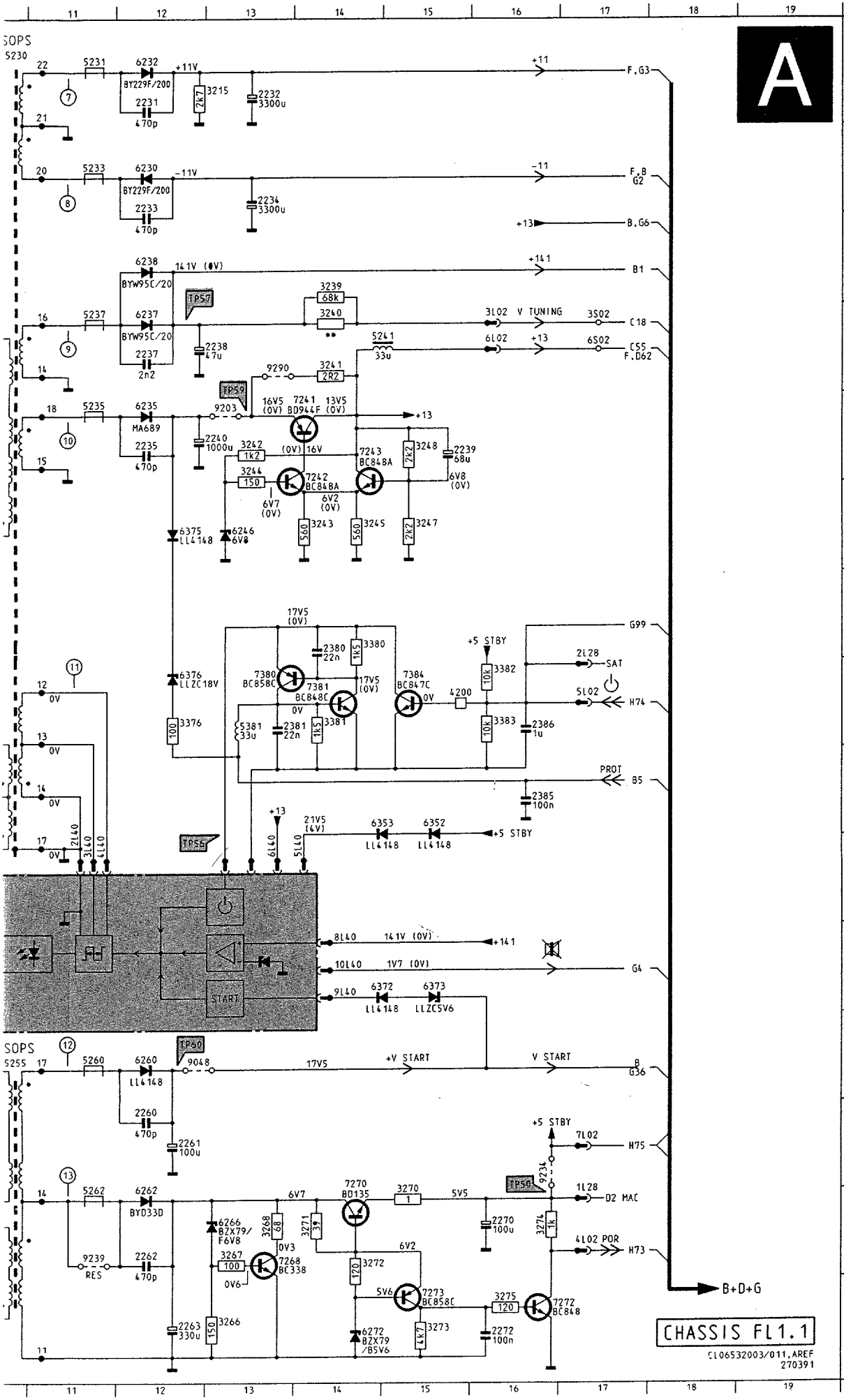
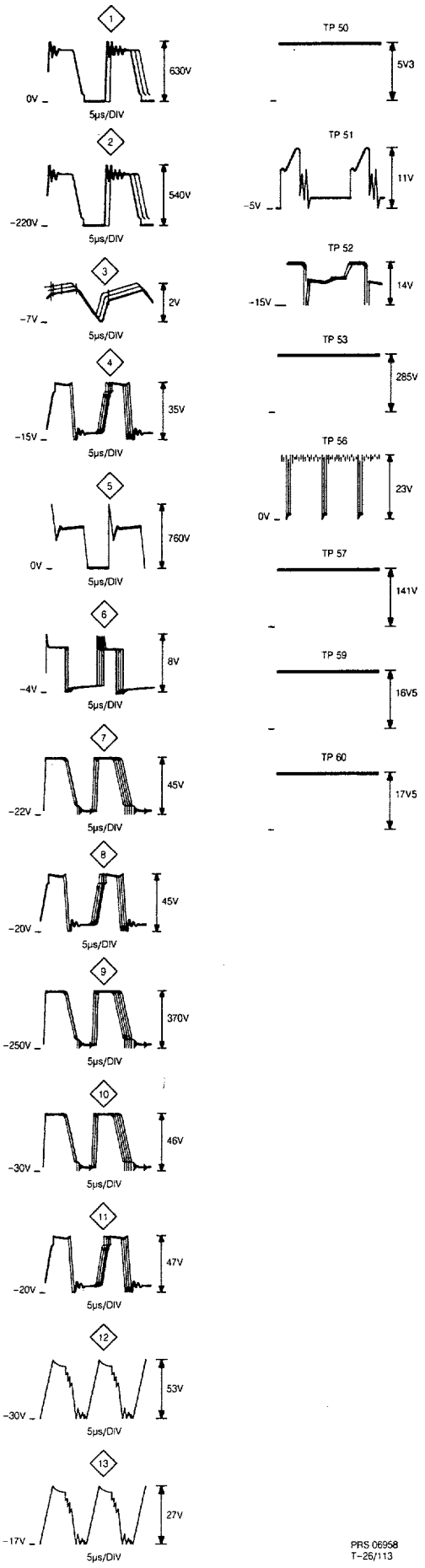

A
Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale
SOPS
5230
6232
BY229F/200
2231
470p
6230
BY229F/200
2233
470p
6238
BYW95C/20
6237
BYW95C/20
2237
2n2
6235
MA689
2235
470p
5231
5233
5237
5235
2205
22n
2202
RES
2200
680n
2203
100n
3204a
3204b
3205
3209
1R5
3211
120k
3210
120k
2210
2n2
2211
2n2
6210
6211
6212
6213
TP53
4xGP15J-16
2214
220u
285V*
1L80
SAT
2L80
TP52
7216
2SC3973B
2216
1n5
6216
BYD33J
3216
55
3201
4M7
3202
4M7
2215
3n3
6306
BZX79C20
3306
82K
9223
-3V2
(0V)*
-3V
(0V)*
-5V*
(0V)
-1V*
(0V)
0V
3L39
1250
250mAT
+V1
Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille
220k
3252
10k
3253
220k
3249
2254
120p
270V*
(285V)
7250
BUX85F
2255
270p
3255
1k5
3251
1k
3250
62
1V5*
1V2*
1V*
TP51
7251
BC848
7201
BC857C
32V*
38V*
3212
100k
3213
100k
2258
390n
6201
LL4148
6251
LLZC5V6
5255
5260
6260
LL4148
2260
470p
5262
6262
BYD33C
9239
RES
2262
470p
** REMARKS REMARQUES ANMERKUNGEN NOTE
21" 25" 28" 33"
3204b NTC NTC NTC PTC
3205 - - - X
3240 100k 100k 100k 68k
9204 X X X -
9205 - - - X
9206 X X X -
SOPS REPAIR KIT
4822 310 31919
* MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
(...V)

Power supply Stromversorgung



	1200	B 2	7216	F 9
	1250	L 9	7241	E14
	2200	C 2	7242	E14
	2202	B 4	7243	E14
A	2203	B 5	7250	N 8
	2205	B 3	7251	N 9
	2210	B 9	7268	N13
	2211	C 9	7270	M14
	2214	D10	7272	O16
	2215	I 9	7273	O15
	2216	F10	7380	H13
	2231	A12	7381	H14
B	2232	A13	7384	H15
	2233	B12	9048	L12
	2234	B13	9203	E13
	2235	E12	9204	A 4
	2237	D12	9205	B 7
	2238	D12	9206	C 7
	2239	E15	9223	H 8
	2240	E12	9234	M16
C	2254	M10	9239	N11
	2255	N 9	9290	D13
	2258	O 6		
	2260	M12		
	2261	M12		
	2262	N12		
	2263	O12		
D	2270	N16		
	2272	O16		
	2380	G14		
	2381	H13		
	2385	I 16		
	2386	H16		
	3201	C 1		
	3202	I 9		
E	3204	C 6		
	3204	B 6		
	3205	C 6		
	3209	C 7		
	3210	C 8		
	3211	B 8		
	3212	N 6		
F	3213	O 6		
	3215	A13		
	3216	G10		
	3239	C14		
	3240	D14		
	3241	D14		
	3242	E13		
	3243	F14		
G	3244	E13		
	3245	F14		
	3247	F15		
	3248	E15		
	3249	M 9		
	3250	O 8		
	3251	N 8		
H	3252	L 9		
	3253	L10		
	3255	N 9		
	3266	O13		
	3267	N13		
	3268	N13		
	3270	N15		
	3271	N14		
I	3272	N14		
	3273	O15		
	3274	N16		
	3275	O16		
	3306	H 8		
	3376	H12		
	3380	G14		
J	3381	H14		
	3382	H16		
	3383	H16		
	4L02	N17		
	4200	H15		
	5202	C 4		
	5203	A 6		
	5204	A 4		
K	5205	C 3		
	5230	A10		
	5231	A11		
	5233	B11		
	5235	E11		
	5237	D11		
	5241	D14		
	5255	L10		
L	5260	L11		
	5262	N11		
	5381	H13		
	6201	O 9		
	6210	C 9		
	6211	C 9		
	6212	C 9		
M	6213	B 9		
	6216	G 9		
	6230	B12		
	6232	A12		
	6235	E12		
	6237	D12		
	6238	C12		
	6246	F13		
N	6251	O 9		
	6260	L12		
	6262	N12		
	6266	N13		
	6272	O14		
	6306	H 7		
	6352	I 15		
	6353	I 14		
O	6372	K14		
	6373	K15		
	6375	F12		
	6376	H12		
	7201	N 7		

L'alimentation



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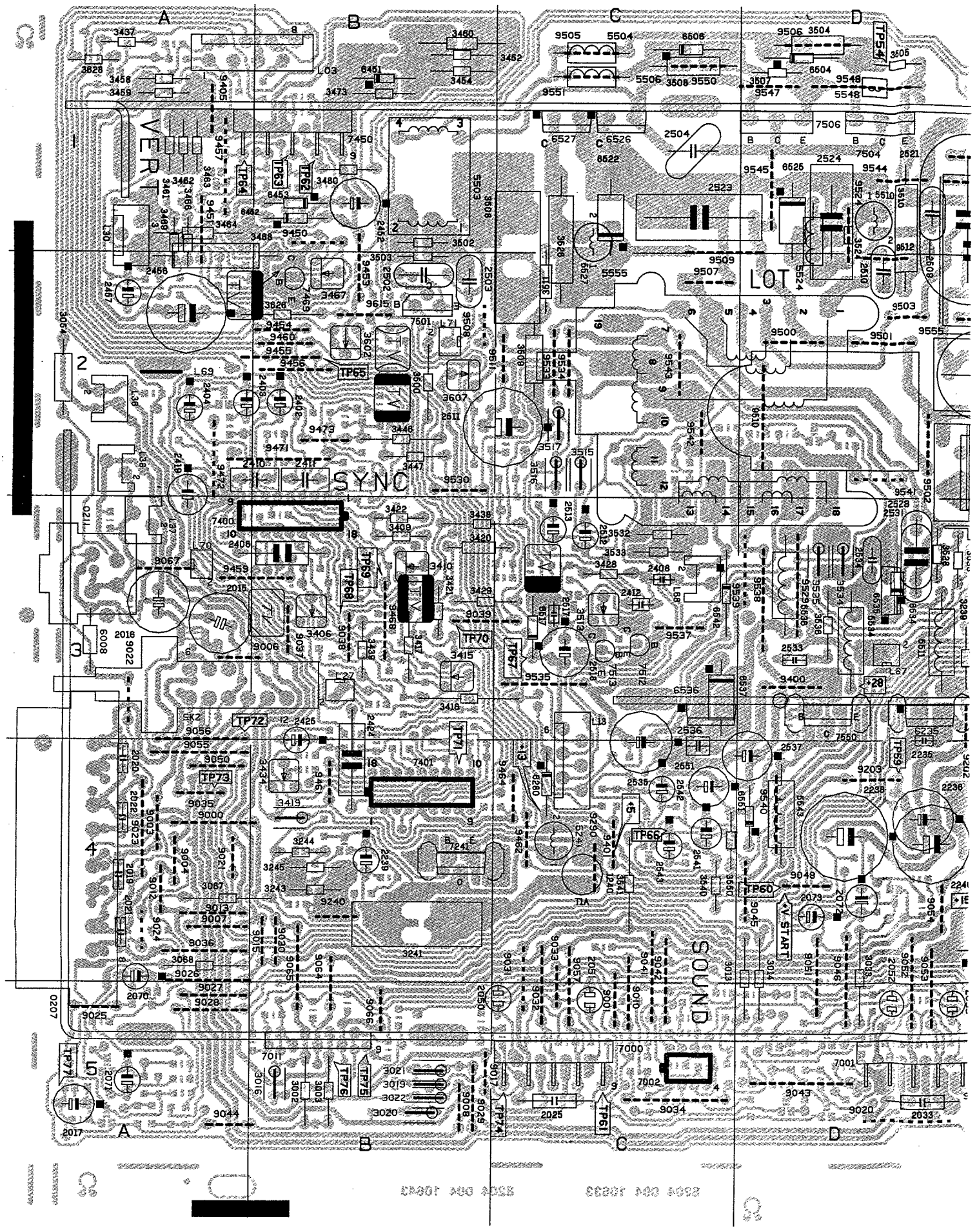
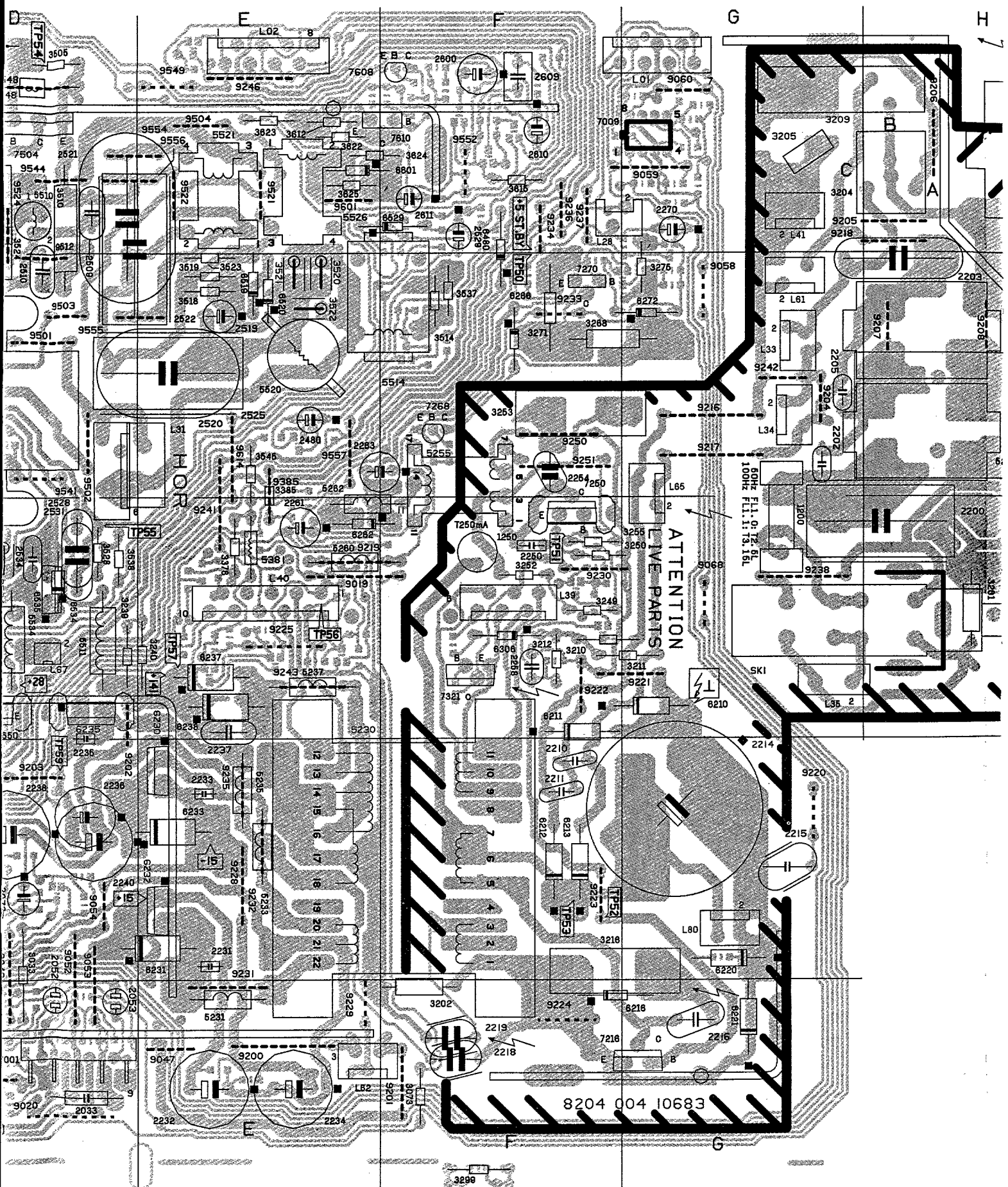
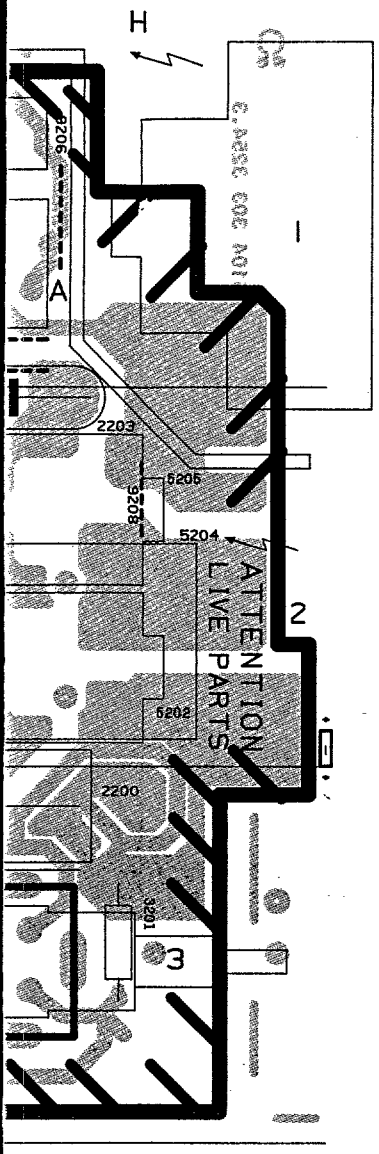
Large signal panel Groß-signal Platine



Platine forts signeaux





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040 H4	2512 C3	3458 A1	6235 D3	9054 D4	9547 D1
L01 F1	2513 C3	3459 A1	6237 E3	9055 A4	9548 D1
L02 E1	2517 C3	3460 B1	6238 E3	9056 A3	9549 E1
L03 A1	2518 C3	3461 A1	6262 E3	9057 C5	9550 C1
L13 C4	2519 E2	3462 A1	6266 F2	9058 G2	9551 C1
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L30 A1	2522 D1	3466 A1	6306 F3	9064 B5	9555 E2
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2016 A3	3020 B5	3522 E2	7001 D5	9230 F3	
2017 A5	3021 B5	3523 E2	7002 C5	9231 E5	
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2502 B2	3438 B3	6220 G4	9047 E5	9540 D4	
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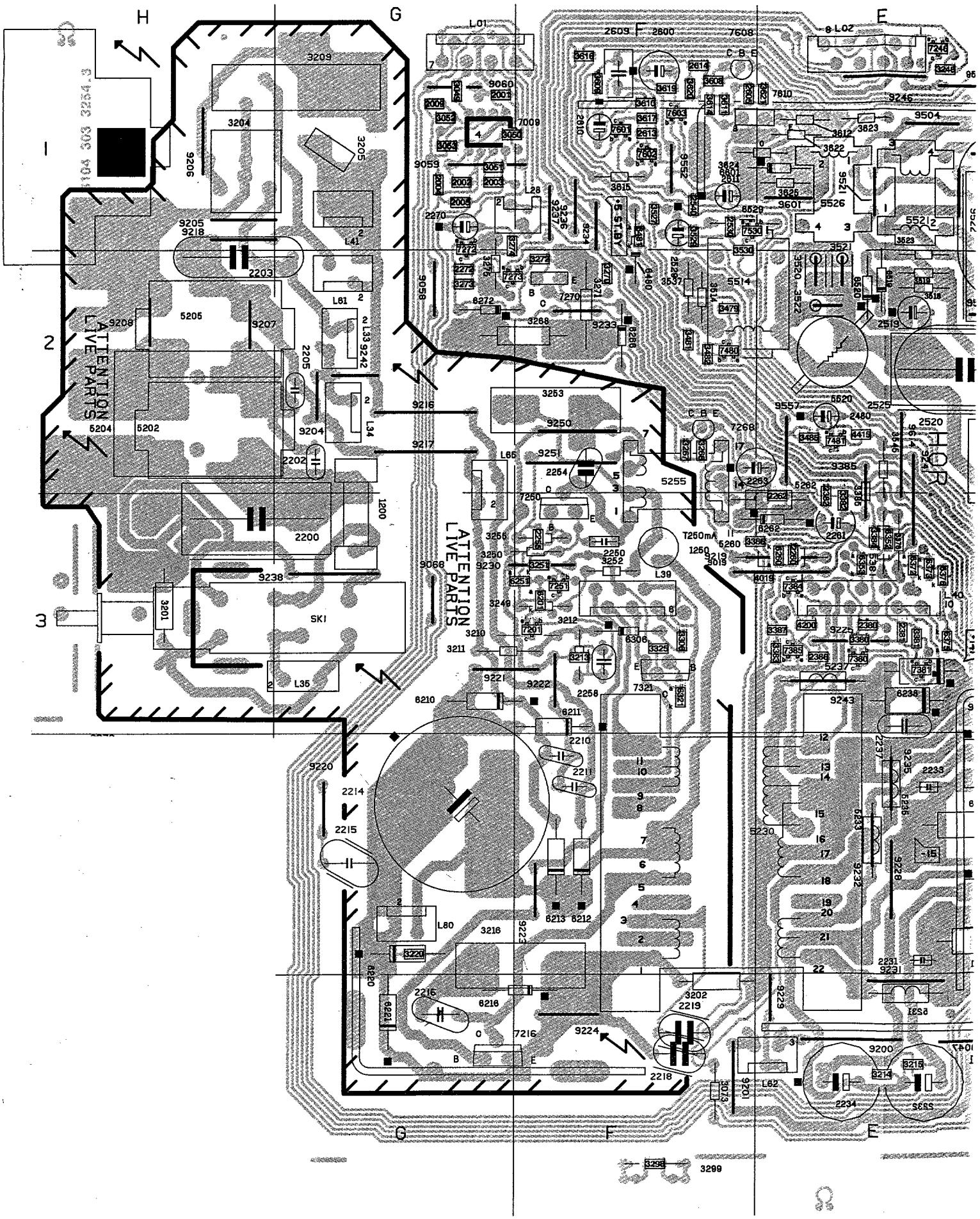
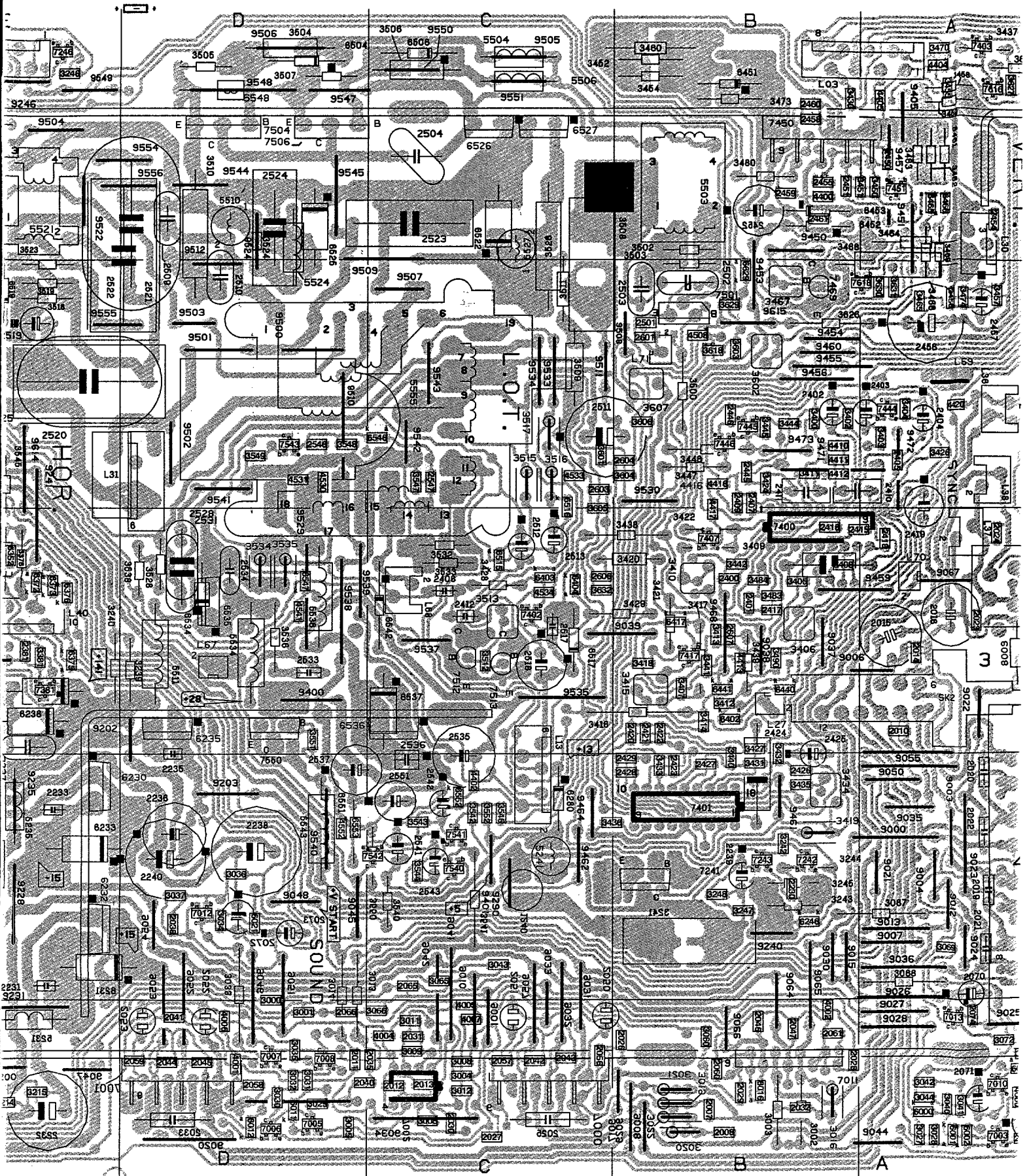
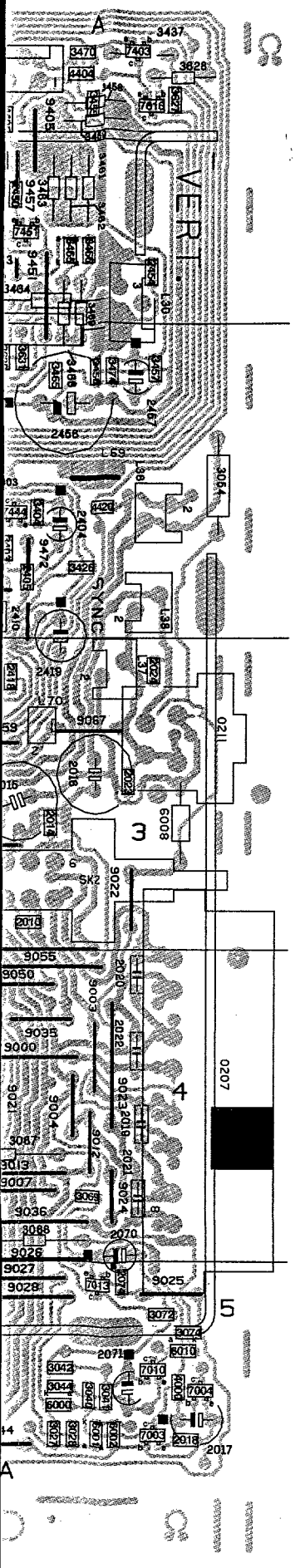
Large signal panel Groß-s



Groß-signal Platine Platine forts signeaux

CHASSIS FL1.1 6.8 6.9





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039 H5	2219 F5	2533 D3	3266 F2	3451 A1	3626 B2	6308 H5	7407 B3	9224 F5
040 H4	2230 B4	2534 D3	3267 F2	3452 B1	3627 A1	6312 H5	7417 B3	9225 E3
L01 F1	2231 E4	2535 C4	3268 F2	3454 B1	3628 A1	6315 H5	7444 A2	9228 E4
L02 E1	2232 E5	2536 C4	3270 F2	3455 A1	3629 B2	6318 H5	7445 B2	9229 E5
L03 A1	2233 E4	2537 D4	3271 F2	3456 A2	3630 A2	6319 H5	7446 B2	9230 F3
L13 C4	2234 E5	2540 F1	3272 F2	3457 A2	3631 A2	6321 F3	7450 A1	9231 E5
L27 B3	2235 D3	2541 C4	3273 G2	3458 A1	3632 C3	6331 H4	7451 A1	9232 E4
L28 G1	2236 D4	2542 C4	3274 G1	3459 A1	4000 A5	6349 H4	7469 B2	9233 F2
L30 A1	2237 E3	2543 C4	3275 G2	3460 B1	4001 D5	6350 H4	7480 F2	9234 F1
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2003 G1	2381 E3	3013 D4	3360 H4	3507 D1	4552 D4	6506 C1	9010 C5	9460 B2
2004 G1	2382 E3	3014 D4	3362 H4	3508 C2	5202 H2	6515 C3	9012 A4	9461 B4
2005 G1	2386 E3	3016 B5	3364 H4	3509 C2	5204 H2	6516 C2	9013 A4	9462 C4
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2008 B5	2401 B3	3020 B5	3366 H4	3511 C2	5230 F4	6519 E2	9017 B5	9468 B3
2009 G1	2402 B2	3021 B5	3368 H4	3512 C3	5231 E5	6520 E2	9019 E3	9471 B2
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2013 C5	2406 B3	3029 D5	3372 H4	3516 C2	5241 C4	6527 C1	9023 A4	9501 D2
2014 A3	2407 B2	3030 D5	3374 H4	3517 C2	5255 F3	6529 F1	9024 A4	9502 D2
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2203 H2	2522 D1	3247 B4	3440 B4	3618 B2	6262 E3	7380 E3	9216 G2	
2205 G2	2523 C1	3248 B4	3441 B3	3619 F1	6266 F2	7381 E3	9217 G2	
2210 F4	2524 D1	3249 F3	3442 B3	3620 F1	6272 G2	7384 E3	9218 H1	
2211 F4	2525 E2	3250 F3	3444 B2	3621 E1	6280 C4	7385 E3	9219 E3	
2214 G4	2528 D3	3251 F3	3445 B2	3622 E1	6302 H5	7400 B3	9220 G4	
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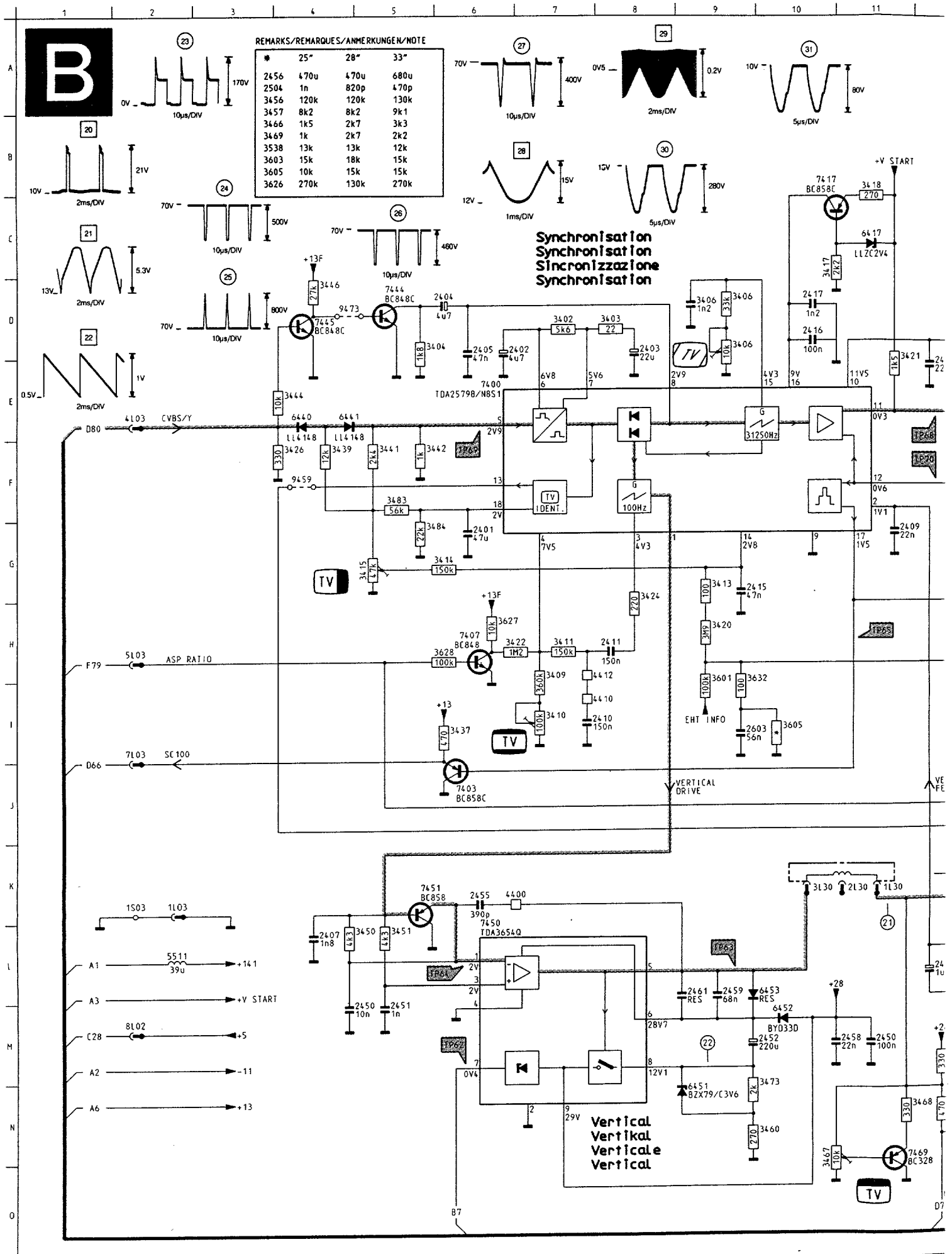
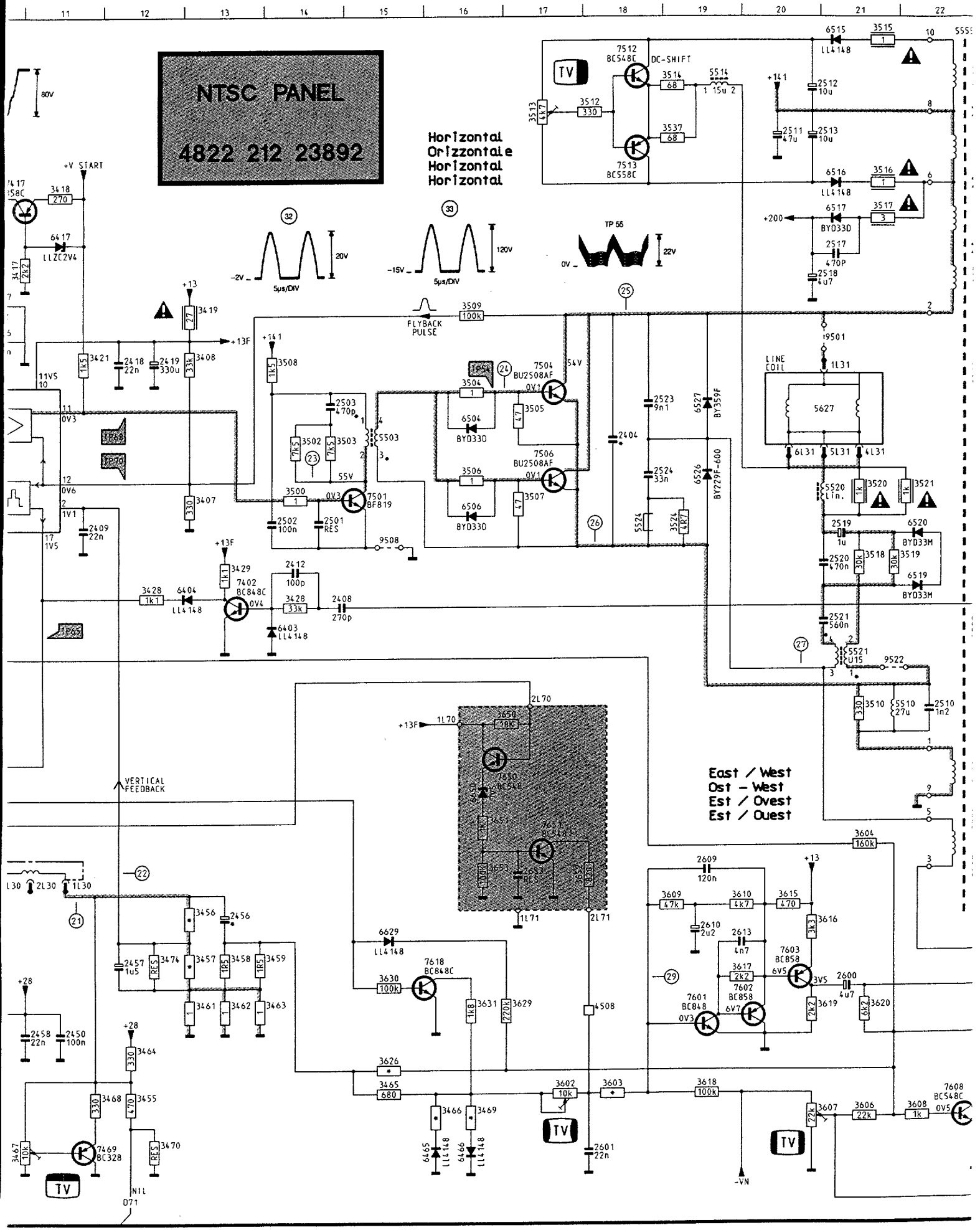
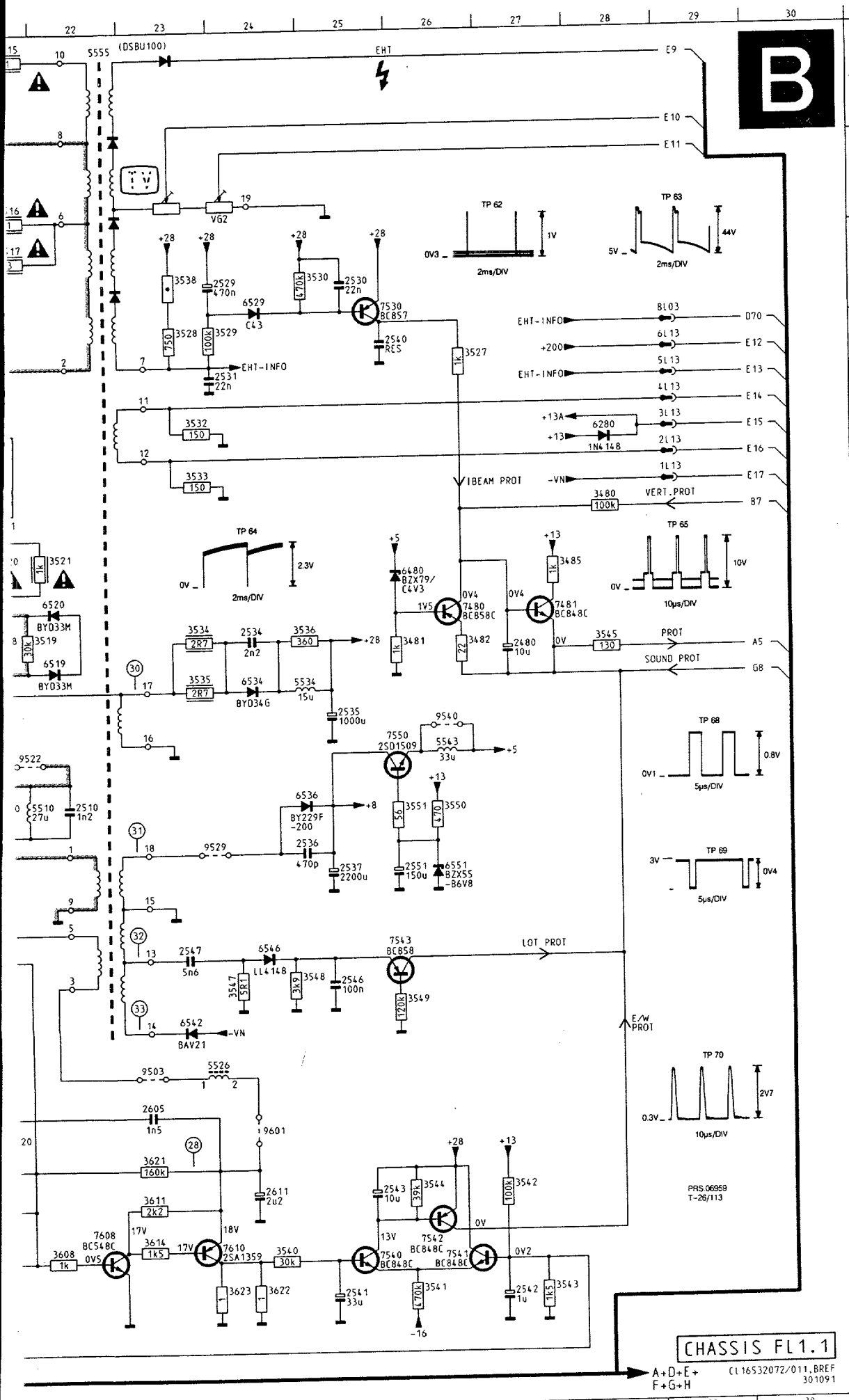

B
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
* 25" 28" 33"
2456 470u 470u 680u
2504 1n 820p 470p
3456 120k 120k 130k
3457 8k2 8k2 9k1
3466 1k5 2k7 3k3
3469 1k 2k7 2k2
3538 13k 13k 12k
3603 15k 18k 15k
3605 10k 15k 15k
3626 270k 130k 270k
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
Vertical
Vertikal
Verticale
Vertical
+V START
TV
TV IDENT.
EHT INFO
VERTICAL DRIVE
ASP RATIO
CVBS/Y
SC100
+141
+V START
+5
-11
+13
B7
D7

Synchronisation





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	2402	D 6	3481	G26	6527	E19
	2403	D 8	3482	G26	6529	C24
	2404	D 6	3483	F 5	6534	H24
A	2404	F18	3484	G 5	6536	I25
	2405	D 6	3485	F27	6542	K23
	2407	L 4	3500	F14	6546	K24
	2408	H14	3502	F14	6551	J26
	2409	G11	3503	F14	6629	L15
	2410	I 7	3504	E16	6650	J16
	2411	H 8	3505	E17	7400	E 6
	2412	G14	3506	F16	7402	G13
B	2415	G 9	3507	F17	7403	J 6
	2416	D10	3508	E14	7407	H 6
	2417	D10	3509	D16	7417	B10
	2418	E12	3510	I21	7444	D 5
	2419	E12	3512	A18	7445	D 4
	2450	M11	3513	B17	7450	L 6
	2450	M 5	3514	A19	7451	K 5
	2451	M 5	3515	A21	7469	N11
C	2452	M10	3516	B21	7480	G26
	2455	K 6	3517	C21	7481	G27
	2456	L13	3518	G21	7501	F15
	2457	L12	3519	G21	7504	E17
	2458	M11	3520	F21	7506	F17
	2459	L 9	3521	F22	7512	A18
	2461	L 9	3524	G19	7513	B18
	2480	G27	3527	D26	7530	C25
D	2501	G14	3528	D23	7540	N25
	2502	G14	3529	D24	7541	N26
	2503	E14	3530	C25	7542	N26
	2510	I22	3532	E23	7543	K26
	2511	B20	3533	E23	7550	H26
	2512	A20	3534	G23	7601	M19
	2513	B20	3535	H23	7602	M20
E	2517	C21	3536	G25	7603	L20
	2518	D20	3537	B19	7608	N22
	2519	G21	3538	C23	7610	N24
	2520	G21	3540	N24	7618	L16
	2521	H21	3541	N26	7650	J16
	2523	E18	3542	M27	7651	J17
	2524	F18	3543	N27	9459	F 4
	2529	C24	3544	M26	9473	D 4
F	2530	C25	3545	G28	9501	D21
	2531	D24	3547	K24	9503	L23
	2534	G24	3548	K24	9508	G15
	2535	H25	3549	K26	9522	H21
	2536	I25	3550	I26	9529	I23
	2537	J25	3551	I26	9540	H26
	2540	D25	3601	H 9	9601	M24
G	2541	N25	3602	N17		
	2542	N27	3603	N18		
	2543	M25	3604	K21		
	2546	K25	3605	I10		
	2547	K23	3606	N21		
	2551	J26	3607	N20		
	2600	L21	3608	N22		
	2601	N18	3609	K19		
H	2603	I 9	3610	K20		
	2605	L23	3611	M23		
	2609	K19	3614	N23		
	2610	L19	3615	K20		
	2611	M24	3616	L20		
	2613	L20	3617	L20		
	2653	K17	3618	N19		
I	3402	D 7	3619	M20		
	3403	D 8	3620	M21		
	3404	D 5	3621	M23		
	3406	D 9	3622	N24		
	3406	D 9	3623	N24		
	3406	D 9	3626	M15		
	3407	F13	3627	H 6		
	3408	D13	3628	H 6		
J	3409	H 7	3629	M17		
	3410	I 7	3630	L15		
	3411	H 7	3631	M16		
	3413	G 9	3632	H 9		
	3414	G 6	3650	I17		
	3415	G 5	3651	J16		
	3417	C10	3652	K18		
K	3418	B11	3653	K16		
	3419	D13	4400	K 7		
	3420	H 9	4410	I 7		
	3421	D11	4412	H 7		
	3422	H 7	4508	M18		
	3424	G 8	5503	F15		
	3426	F 4	5510	I21		
	3428	G12	5511	L 2		
L	3428	H14	5514	A19		
	3429	G13	5520	F21		
	3437	I 6	5521	H21		
	3439	F 4	5524	G18		
	3441	F 5	5526	L23		
	3442	F 5	5534	H25		
	3444	E 4	5543	H26		
M	3446	D 4	5555	A22		
	3450	L 5	5627	E21		
	3451	L 5	6280	E28		
	3455	N12	6403	H14		
	3456	K13	6404	G13		
	3457	L13	6417	C11		
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	3459	L14	6441	E 4		
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	3461	M13	6452	M10		
	3462	M13	6453	L10		
	3463	M14	6465	N16		
	3464	M12	6466	N16		
	3465	N15	6480	F26		
	3466	N16	6504	E16		
	3467	N10	6506	F16		
O	3468	N11	6515	A21		
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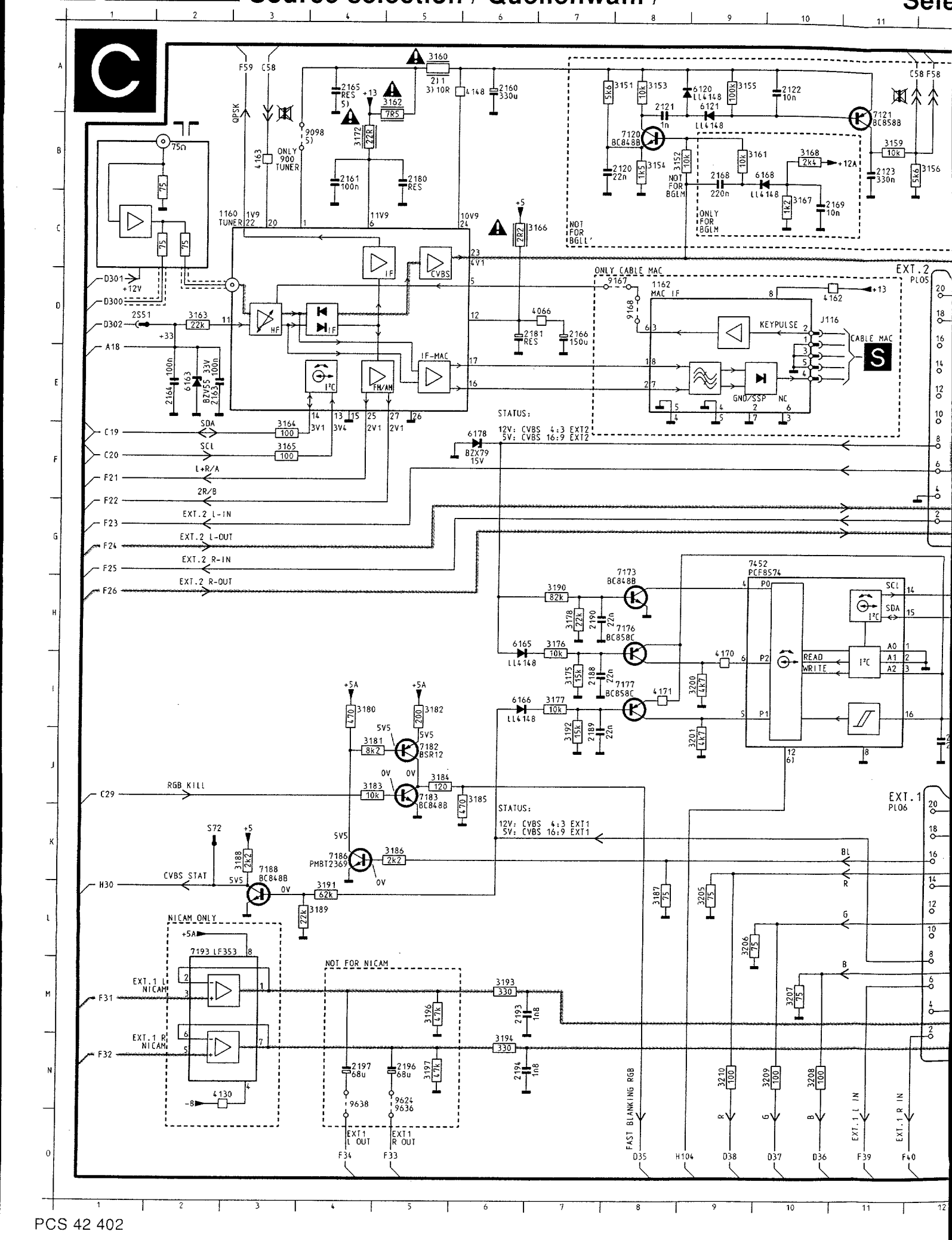
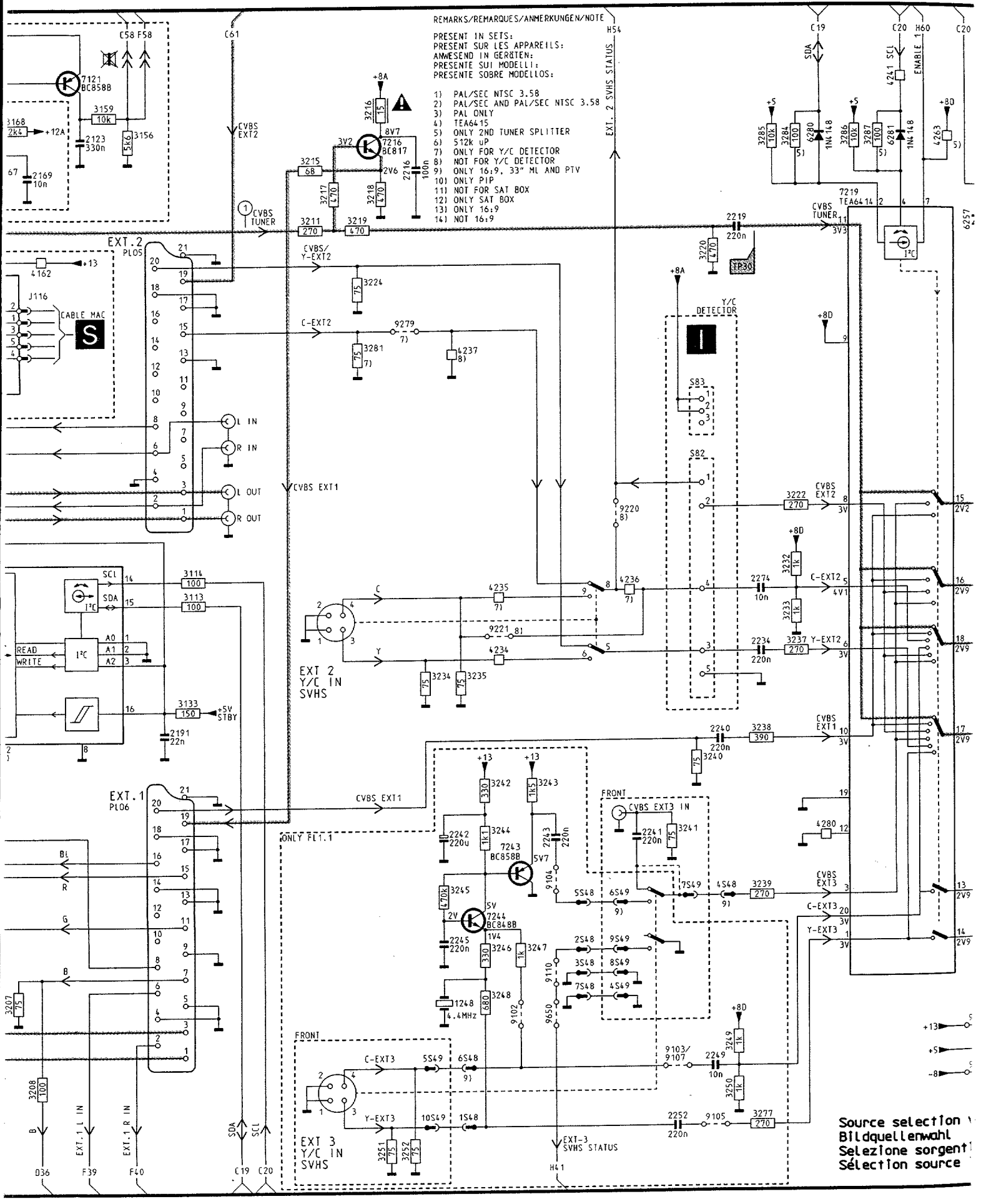
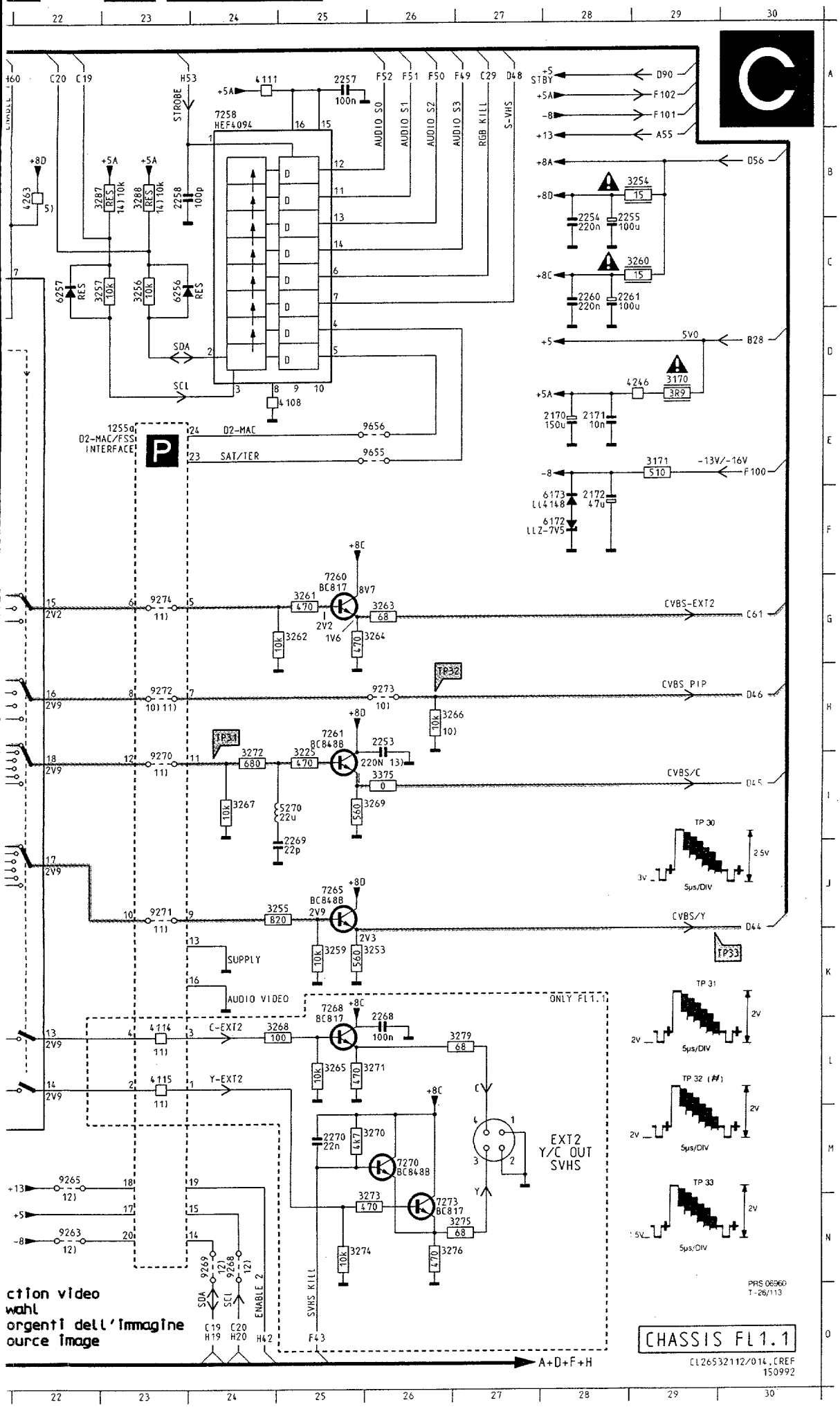

C
QPSK
ONLY 900 TUNER
75Ω
1160 TUNER
D301 +12V
D300
D302
A18
2S51
3163 22k
+33
2164 100n
6163 BZV55 33V
2163 100n
IF
CVBS
HF
IF
I²C
FM/AM
IF-MAC
4066
2181 RES
2166 150u
4V1
3V1
3V4
2V1
2V1
STATUS:
12V: CVBS 4:3 EXT2
5V: CVBS 16:9 EXT2
6178 BZX79 15V
C19 SDA
C20 SCL
3164 100
3165 100
F21 L+R/A
F22 2R/B
F23 EXT.2 L-IN
F24 EXT.2 L-OUT
F25 EXT.2 R-IN
F26 EXT.2 R-OUT
ONLY CABLE MAC
9167
9168
1162 MAC IF
4162
J116
KEYPULSE
CABLE MAC
GND/SSP
NC
EXT.2 PL05
NOT FOR BGLL'
ONLY FOR BGLL
NOT FOR BGLM
7120 BC848B
7121 BC858B
6120 LL4148
6121 LL4148
6168 LL4148
2121 1n
2122 10n
2123 330n
2120 22n
2168 220n
2169 10n
3151 5k6
3152 10k
3153 10k
3154 1k5
3155 100k
3156 5k6
3159 10k
3161 10k
3167 1k2
3168 2k4
+12A
7452 PCF8574
P0
P1
P2
SCL
SDA
I²C
READ
WRITE
A0
A1
A2
7173 BC848B
7176 BC858C
7177 BC858C
7183 BC848B
7182 BSR12
7186 PMBT2369
7188 BC848B
3190 82k
3176 10k
3177 10k
3183 10k
3178 22k
3175 15k
3192 15k
3200 4k7
3201 4k7
3180 470
3182 200
3181 8k2
3184 120
3185 470
3186 2k2
3188 2k2
3189 22k
3191 62k
4170
4171
6165 LL4148
6166 LL4148
RGB KILL
CVBS STAT
S72
STATUS:
12V: CVBS 4:3 EXT1
5V: CVBS 16:9 EXT1
EXT.1 PL06
NICAM ONLY
7193 LF353
EXT.1 L NICAM
EXT.1 R NICAM
NOT FOR NICAM
3193 330
3194 330
3196 47k
3197 47k
2193 1n8
2194 1n8
2197 68u
2196 68u
9638
9624
9636
4130
EXT.1 L OUT
EXT.1 R OUT
3187 75
3205 75
3206 75
3207 75
3210 100
3209 100
3208 100
FAST BLANKING RGB
EXT.1 L IN
EXT.1 R IN
F31
F32
F34
F33
D35
H104
D38
D37
D36
F39
F40
H30

Sélection de source





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1248	M16	3240	J19	9271	J23
1255	E23	3241	K18	9272	H23
2120	B 7	3242	J16	9273	H26
2121	A 8	3243	J17	9274	G23
2122	A10	3244	K16	9279	E15
2123	B11	3245	L16	9624	N 5
2160	A 6	3246	L16	9636	N 5
2161	B 4	3247	L16	9638	N 4
2163	E 2	3248	M16	9650	M17
2164	E 2	3249	N19	9655	E26
2165	A 4	3250	N19	9656	E26
2166	D 7	3251	O15		
2168	B 9	3252	O15		
2169	C10	3253	K25		
2170	E28	3254	B29		
2171	E28	3255	J25		
2172	F28	3256	C23		
2180	B 5	3257	C23		
2181	D 6	3259	K25		
2188	I 7	3260	C29		
2189	J 7	3261	G25		
2190	H 7	3262	G25		
2191	J12	3263	G26		
2193	M 6	3264	G25		
2194	N 6	3265	L25		
2196	N 5	3266	H26		
2197	N 4	3267	I24		
2216	C15	3268	L25		
2219	C19	3269	I25		
2234	I19	3270	M25		
2240	J19	3271	L25		
2241	K18	3272	I24		
2242	K15	3273	N26		
2243	K17	3274	N25		
2245	L15	3275	N27		
2249	N19	3276	N26		
2252	O18	3277	O19		
2253	H26	3279	L27		
2254	C28	3281	E14		
2255	C28	3284	B20		
2257	A25	3285	B19		
2258	B23	3286	B21		
2260	C28	3287	B23		
2261	C28	3287	B21		
2268	L26	3288	B23		
2269	J25	3375	I26		
2270	M25	4066	D 7		
2274	H19	4108	E25		
3113	H12	4111	A24		
3114	H12	4114	L23		
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3152	B 8	4148	A 6		
3153	A 8	4162	D10		
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3155	A 9	4170	I 9		
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3159	B11	4234	I16		
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3164	F 3	4246	D29		
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3180	I 4	6178	F 6		
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3183	J 4	6280	B20		
3184	J 5	6281	B21		
3185	J 6	7120	B 8		
3186	K 5	7121	B11		
3187	L 8	7173	G 8		
3188	K 3	7176	H 8		
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3220	D19	9105	O19		
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3225	I25	9168	D 8		
3232	H20	9220	G18		
3233	H20	9221	H16		
3234	I15	9263	N22		
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3237	I20	9268	N24		

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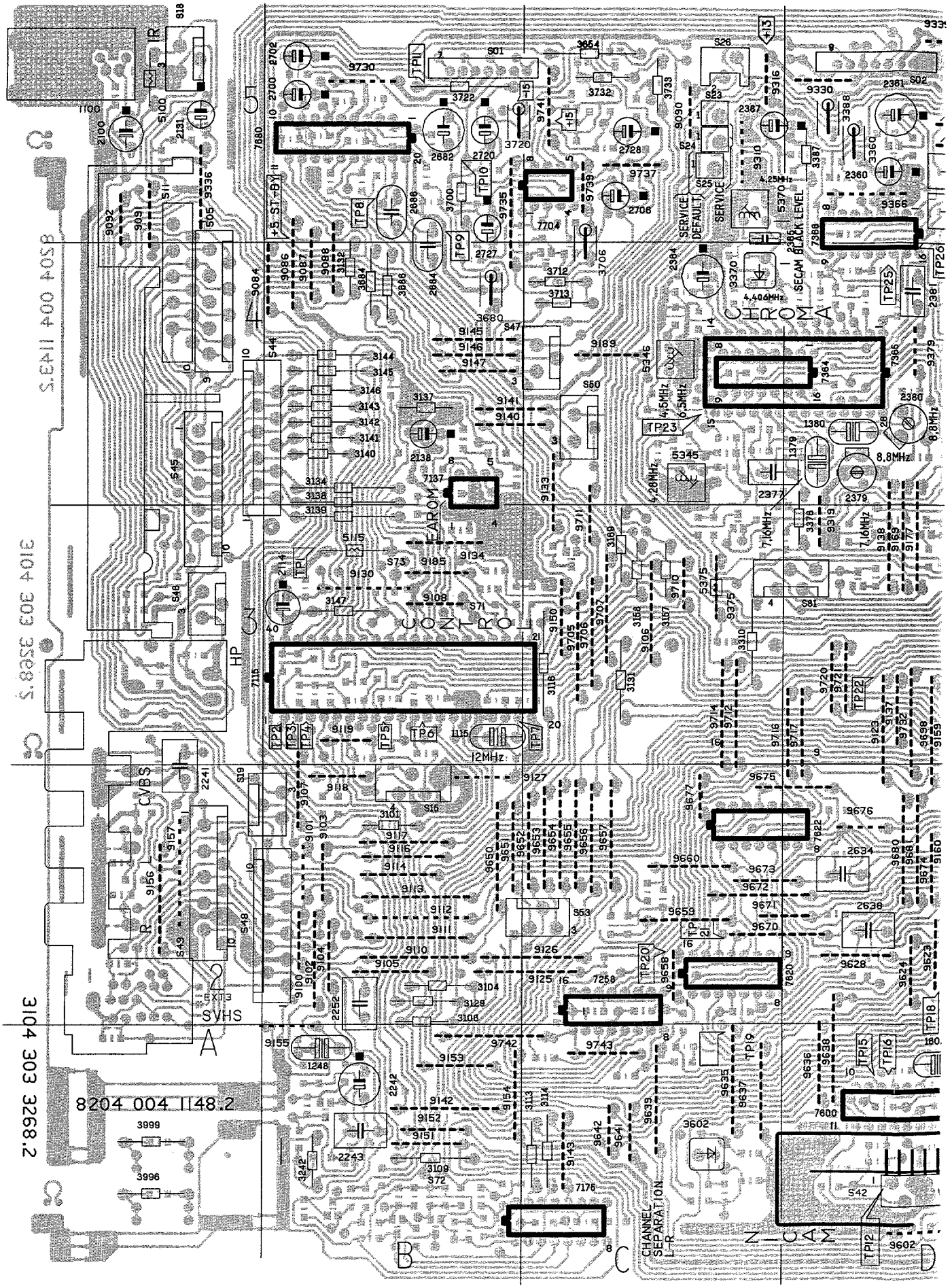
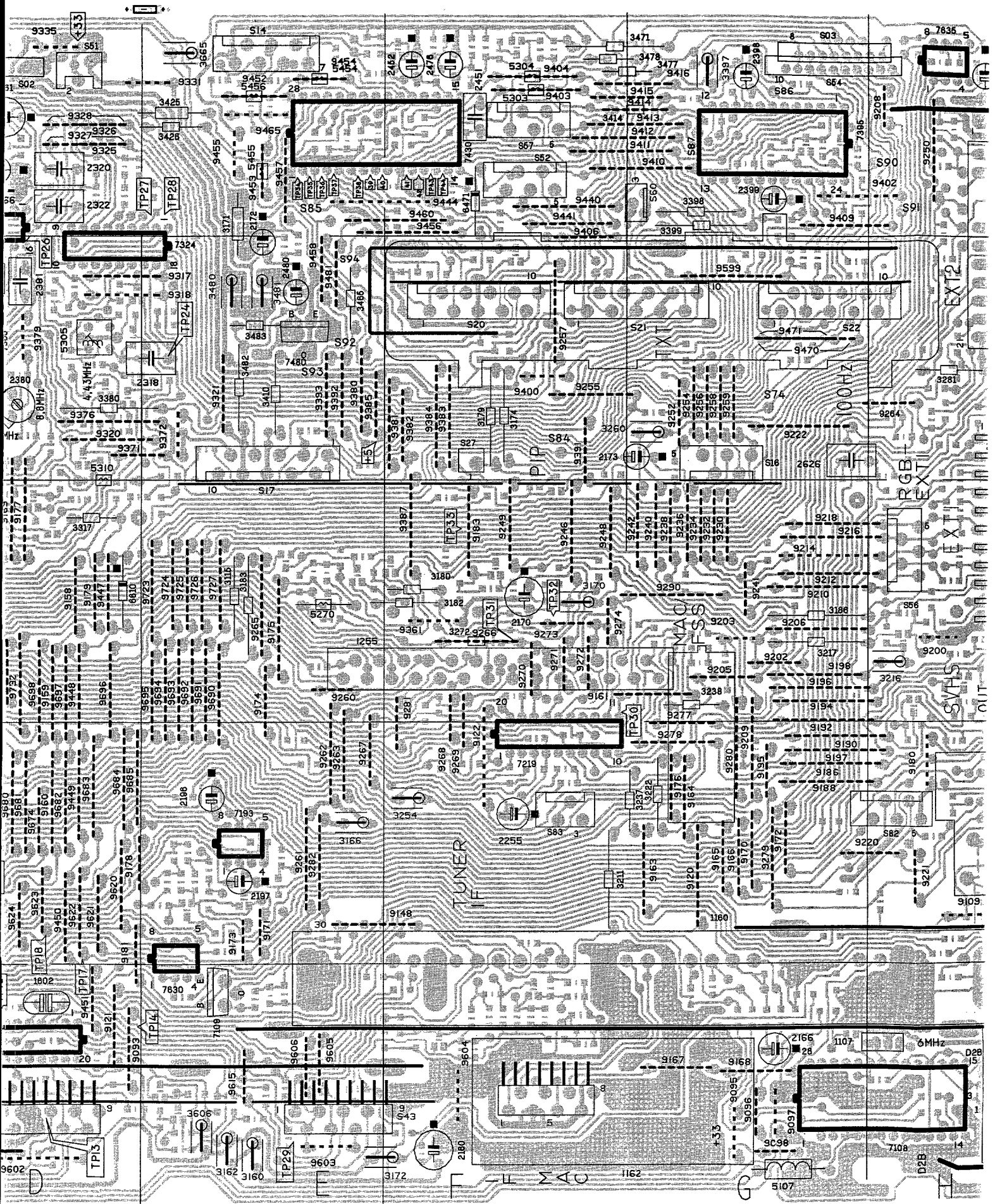
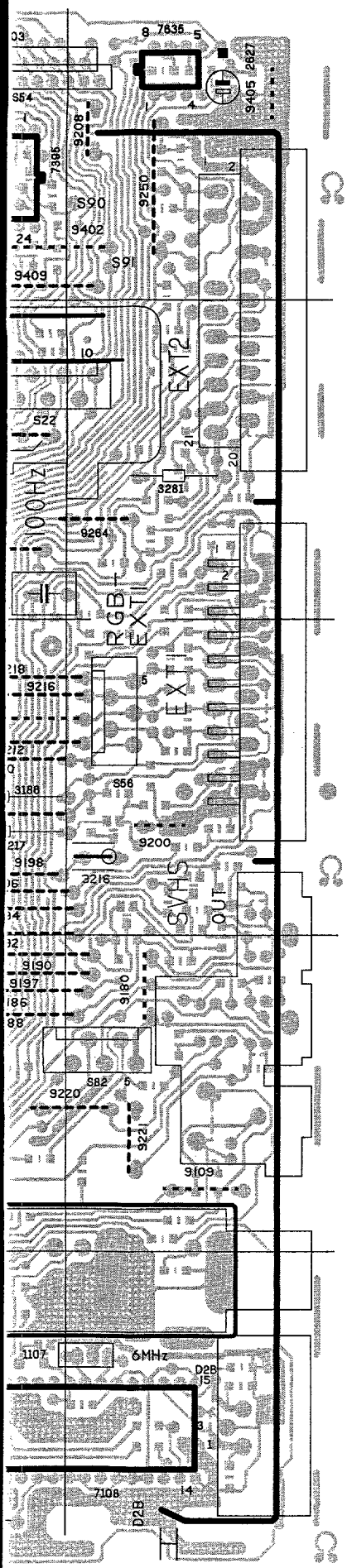
Small signal panel Klein-signal Platine



Platine à petite signaux





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EXT2 H4	2638 D2	3684 B4	9142 B1	9264 H4	9604 F1
EXT3 A3	2682 B5	3686 B4	9143 C1	9265 E3	9605 E1
S01 B5	2684 B4	3700 B5	9145 B4	9266 F3	9606 E1
S02 D5	2686 B5	3706 C4	9146 B4	9267 E2	9615 E1
S03 H5	2700 B5	3712 C4	9147 B4	9268 F3	9620 D2
S06 A4	2702 B5	3713 C4	9148 E2	9269 F3	9621 D2
S11 A5	2706 C5	3720 B5	9150 C3	9270 F3	9622 D2
S14 E5	2720 B5	3722 B5	9151 B1	9271 F3	9623 D2
S15 B2	2727 B5	3732 C5	9152 B1	9272 F3	9624 D2
S16 G4	2728 C5	3733 C5	9153 B1	9273 F3	9628 D2
S17 E4	3101 B2	3996 A1	9154 B1	9274 F3	9635 C1
S18 A5	3104 B2	3999 A1	9155 A1	9277 G2	9636 D1
S19 B2	3106 B2	5100 A5	9156 A2	9278 G2	9637 C1
S20 F4	3109 B1	5107 G1	9157 A2	9279 G2	9638 D1
S21 F4	3113 C1	5116 B3	9158 D3	9280 G2	9639 C1
S22 G4	3114 C1	5270 E3	9159 D3	9281 F2	9641 C1
S23 C5	3115 E3	5303 F5	9160 D2	9282 E2	9642 C1
S24 C5	3116 C3	5304 F5	9161 G3	9290 G3	9650 B2
S25 C5	3129 B2	5305 D4	9163 G2	9310 C5	9651 B2
S26 C5	3131 C3	5310 D4	9164 G2	9316 C5	9652 C2
S27 F4	3132 B4	5345 C4	9165 G2	9317 D4	9653 C2
S42 D1	3134 B4	5346 C4	9166 G2	9318 D4	9654 C2
S43 F1	3137 B4	5370 C5	9167 G1	9319 D3	9655 C2
S44 B4	3138 B4	5375 C3	9168 G1	9320 D4	9656 C2
S45 A4	3139 B3	5454 E5	9169 D3	9321 E4	9657 C2
S46 A3	3140 B4	5455 E5	9170 G2	9325 D5	9658 C2
S47 C4	3141 B4	5456 E5	9171 E2	9326 D5	9659 C2
S48 B2	3142 B4	6471 F5	9172 G2	9327 D5	9660 C2
S49 A2	3143 B4	6610 D3	9173 E2	9328 D5	9670 C2
S50 C4	3144 B4	7109 E1	9174 E3	9330 D5	9671 D2
S51 D5	3145 B4	7115 B3	9175 E3	9331 D5	9672 C2
S52 F5	3146 B4	7137 B3	9176 G2	9335 D5	9673 C2
S53 C2	3147 B3	7193 E2	9177 D3	9336 A5	9674 D2
S54 H5	3157 C3	7219 F2	9178 D2	9361 F3	9675 D2
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S82 G2	3169 C3	7480 E4	9185 B3	9376 D4	9682 D2
S83 F2	3170 F3	7635 H5	9186 G2	9379 D4	9683 D2
SVHS H2	3171 E5	7680 B5	9188 G2	9380 E4	9684 D2
1100 A5	3172 E1	7704 C5	9189 C4	9381 F4	9685 D2
1107 H1	3174 F4	9084 B4	9190 G2	9382 F4	9690 E3
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1162 F1	3182 F3	9088 B4	9195 G2	9385 E4	9693 E3
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2243 B1	3376 D3	9109 H2	9222 G4	9416 G5	9724 E3
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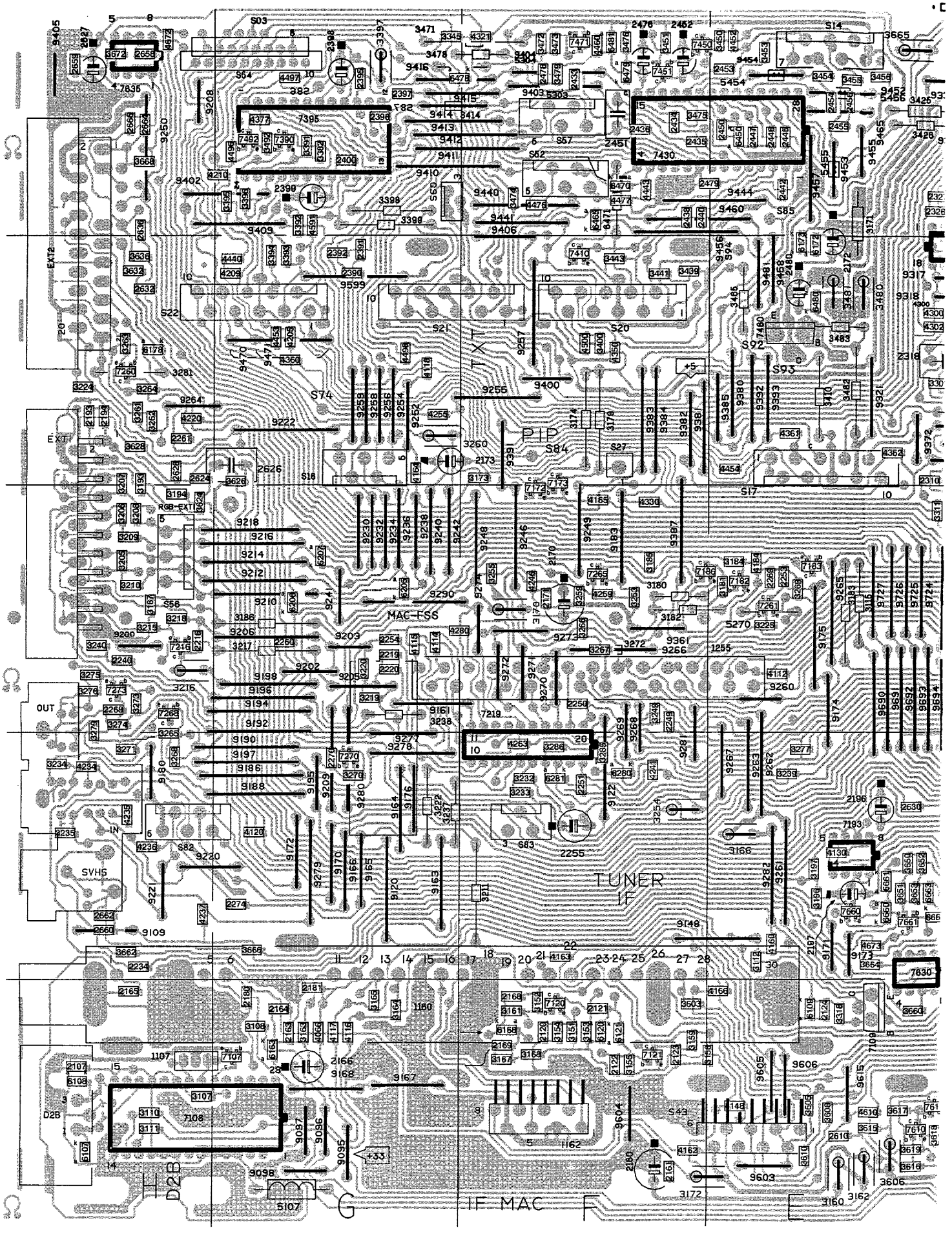
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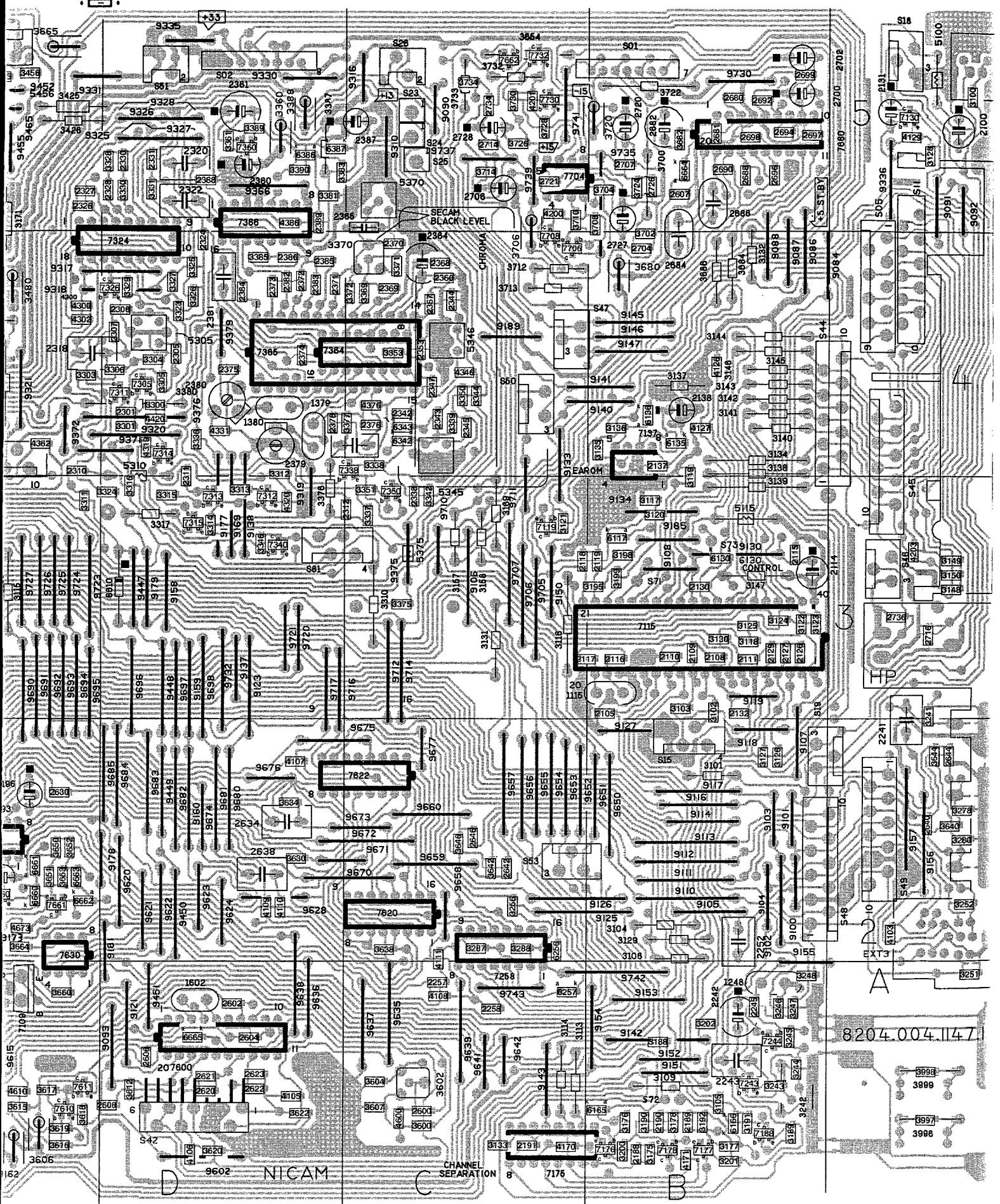
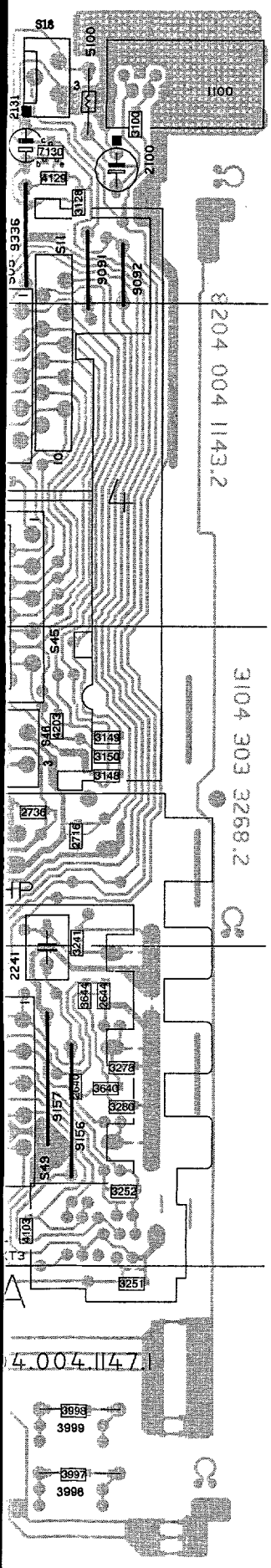
Small signal panel Klein-signal Platine



Platine à petite signaux



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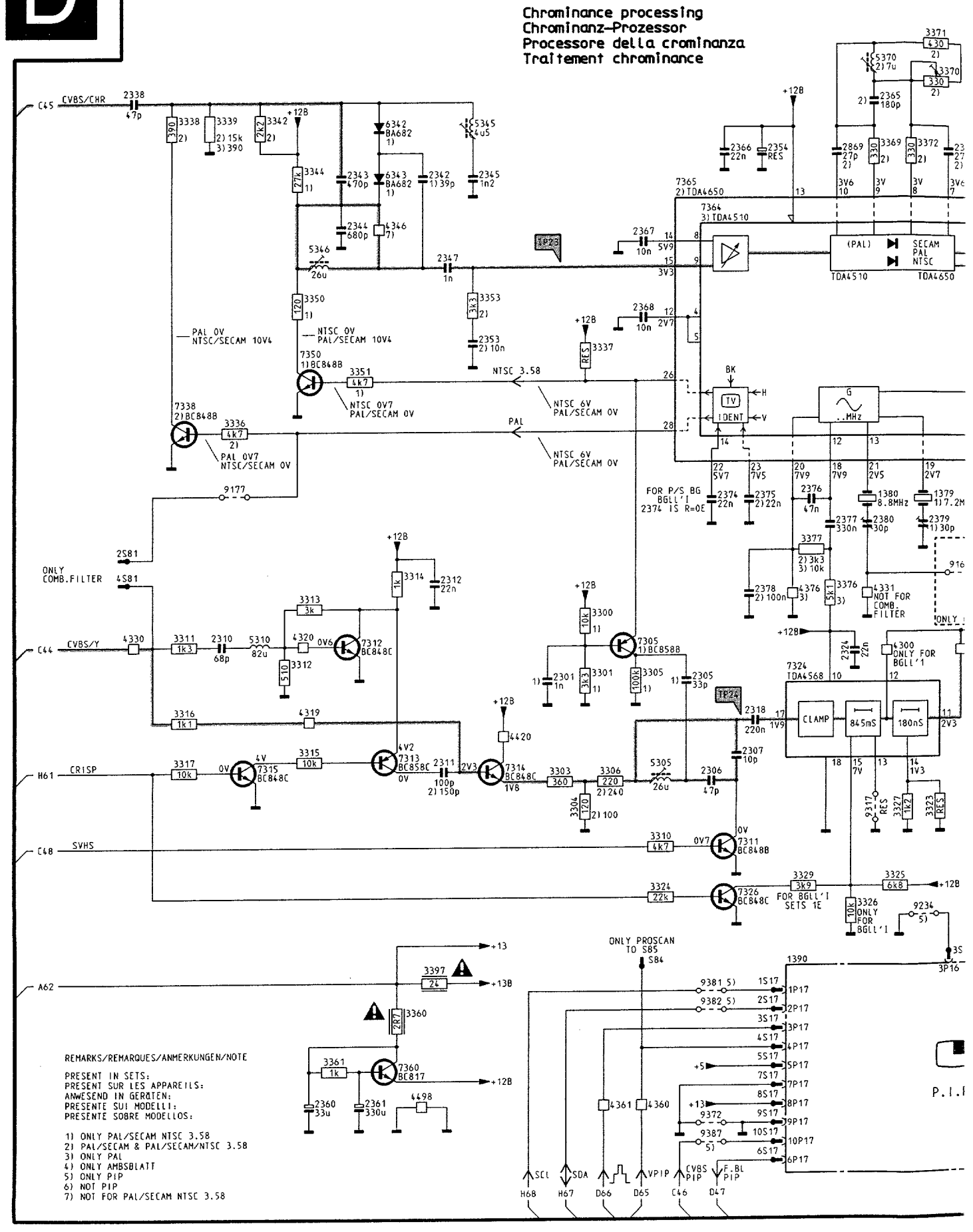
D

Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance

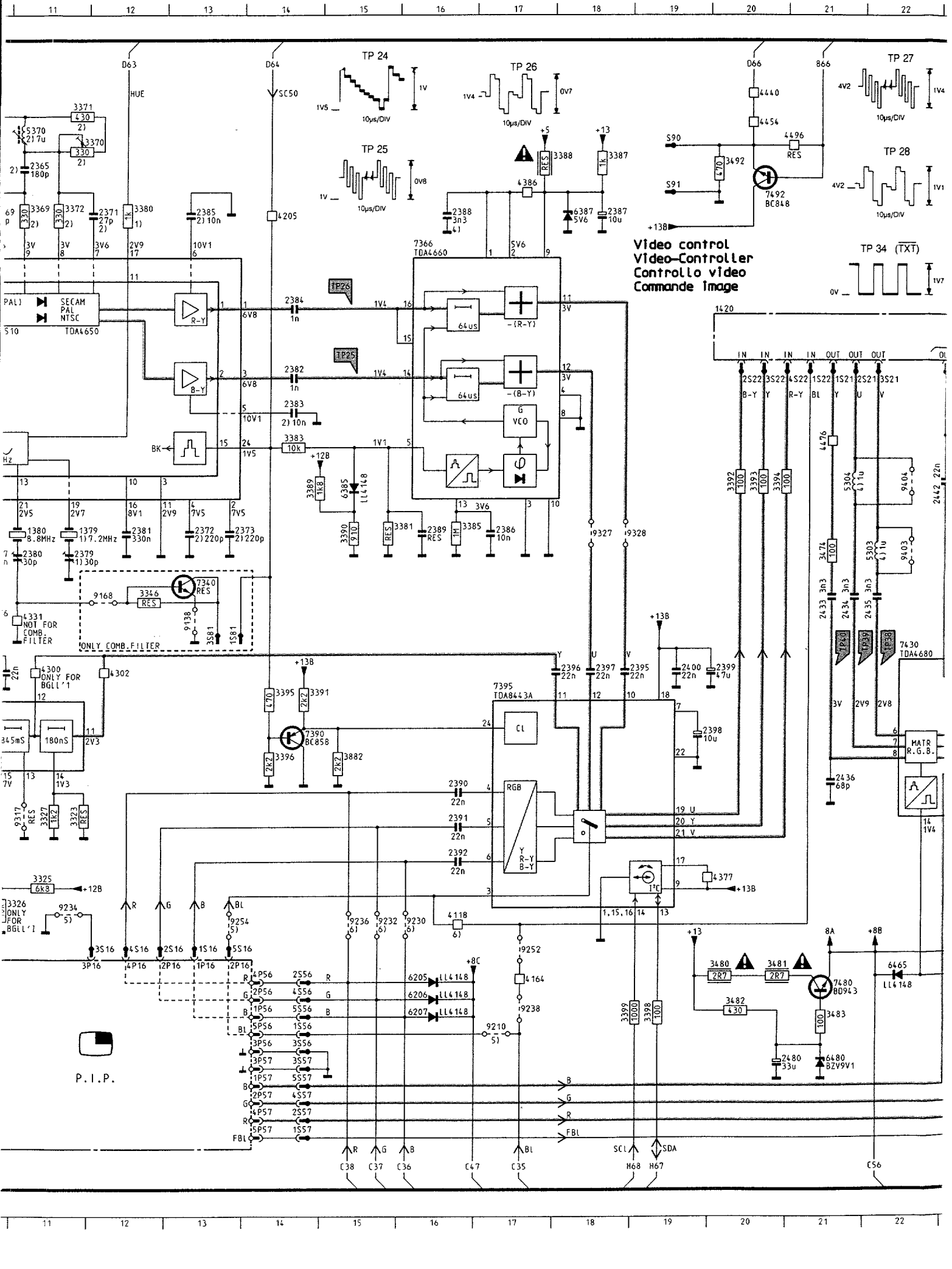


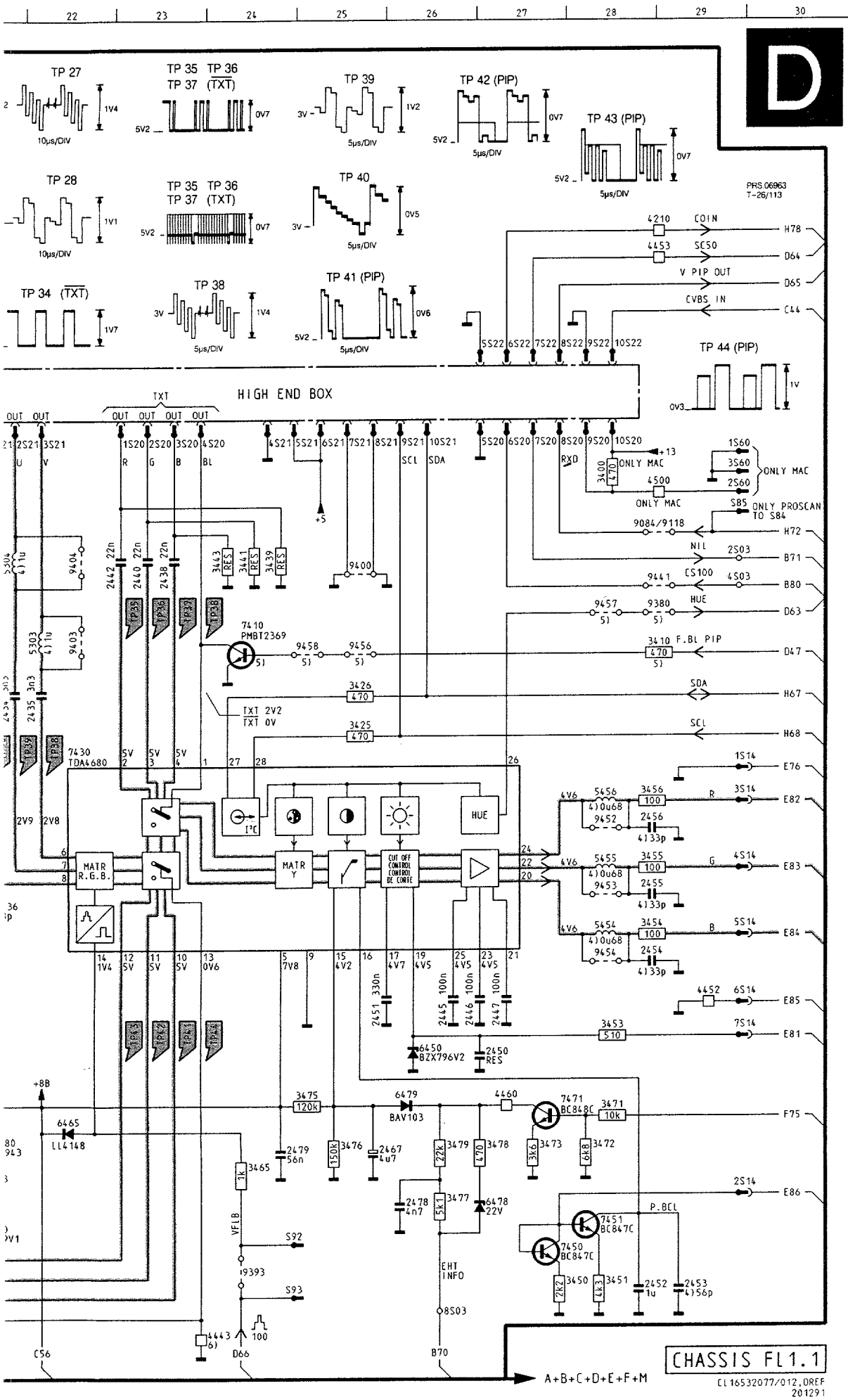
REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) ONLY PAL/SECAM NTSC 3.58
2) PAL/SECAM & PAL/SECAM/NTSC 3.58
3) ONLY PAL
4) ONLY AMBSBLATT
5) ONLY PIP
6) NOT PIP
7) NOT FOR PAL/SECAM NTSC 3.58

Traitement vidéo





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	2305	I 9	3389	F14	9177	G 3
	2306	J 9	3390	G15	9210	M17
	2307	J 9	3391	I14	9230	L16
	2310	I 3	3392	F20	9232	L15
	2311	J 6	3393	F20	9234	L11
	2312	H 6	3394	F20	9236	L15
	2318	I 9	3395	I14	9238	M17
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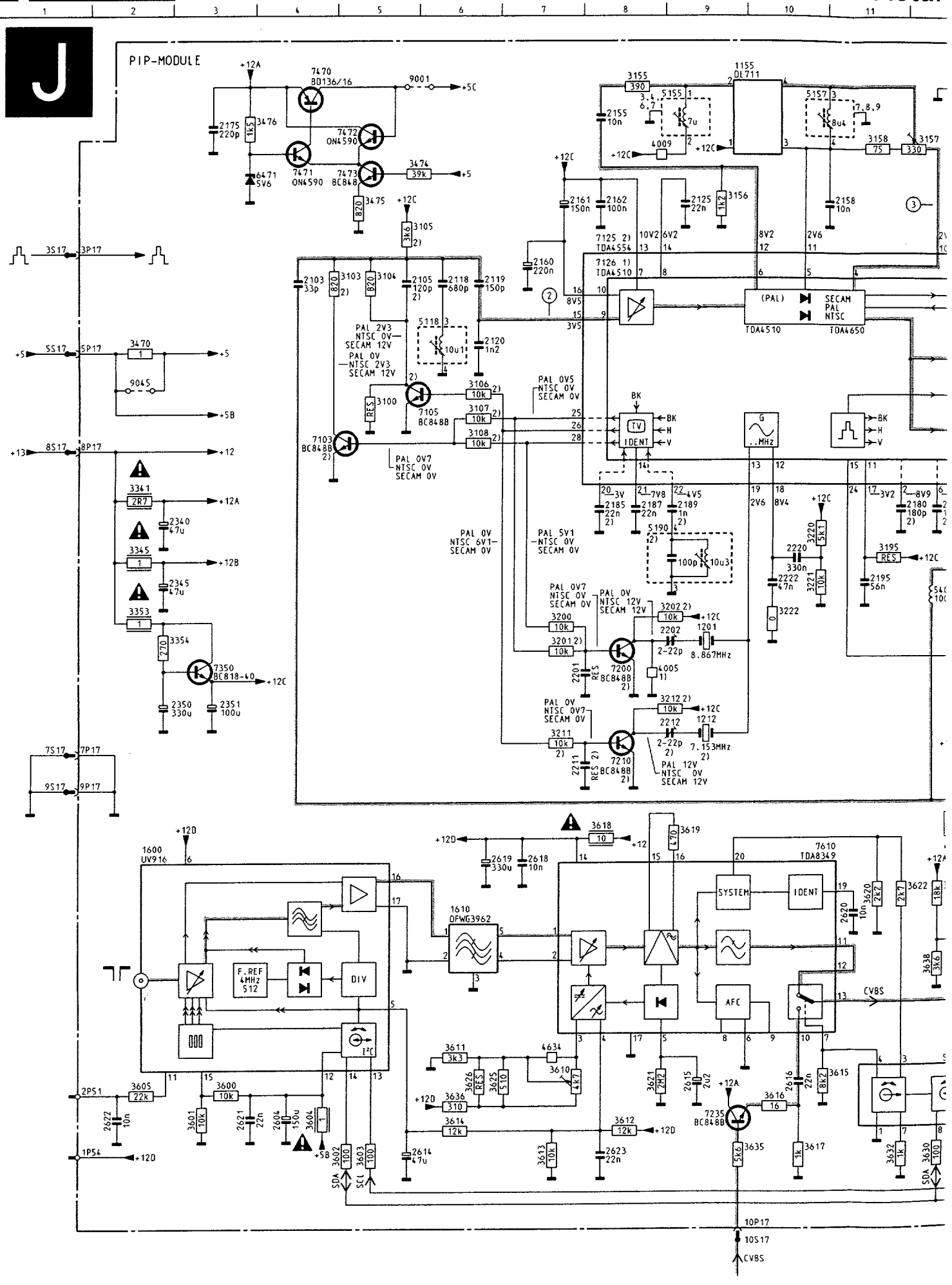
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4009
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2162 100n
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2160 220n
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3104 820
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2202 2-22p
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4634
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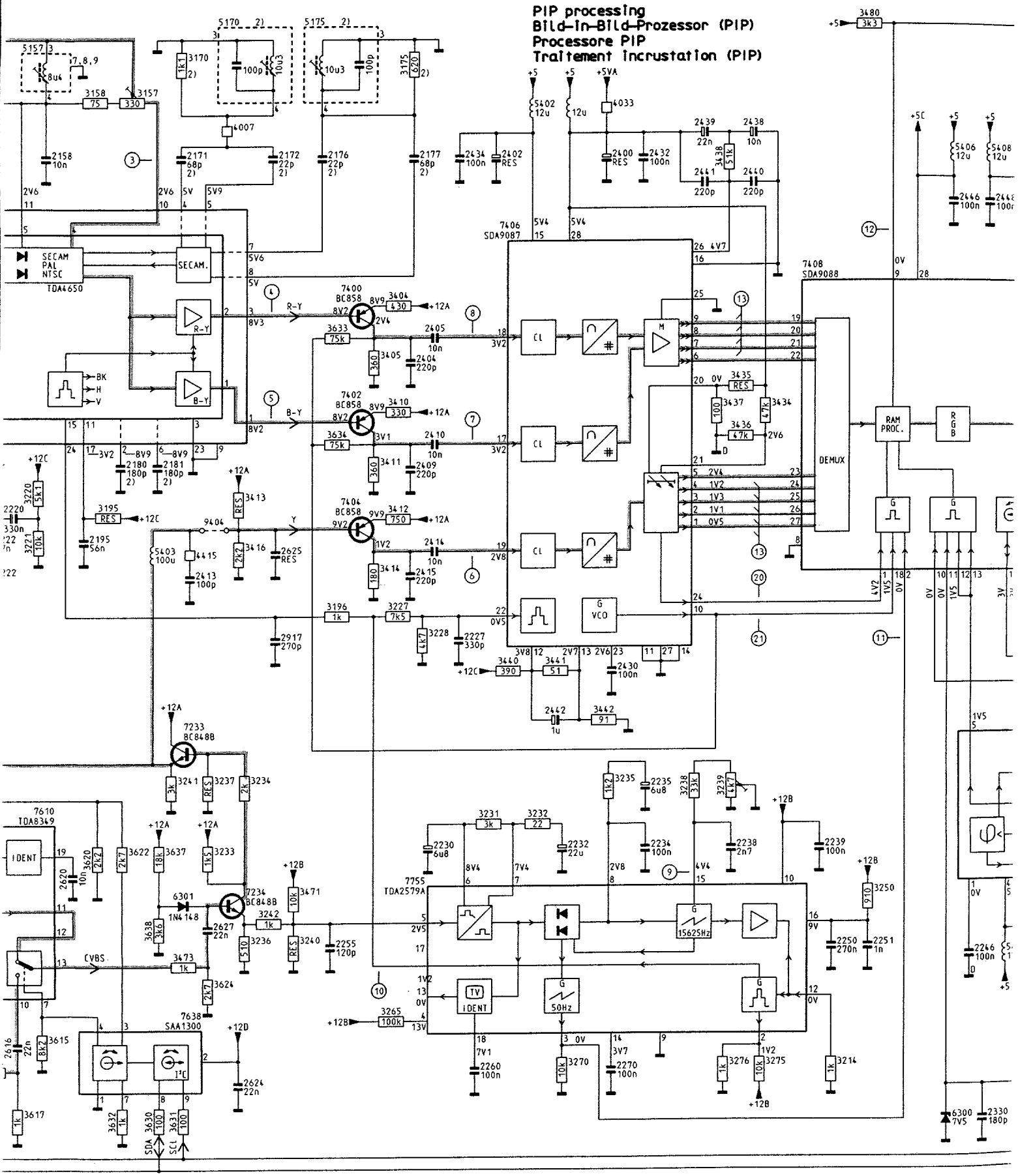
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R-Y
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BK
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M
DEMUX
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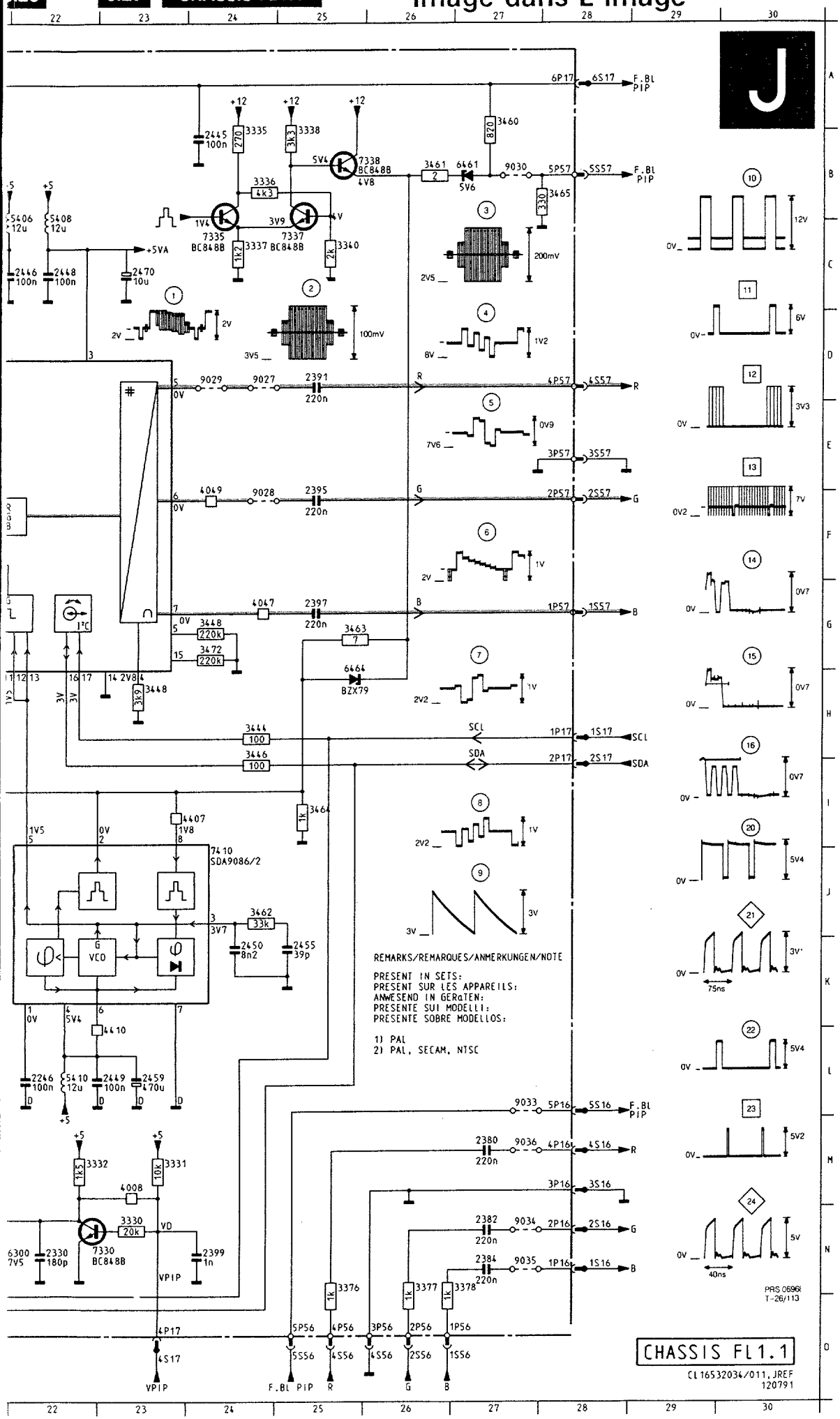

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	2125	C 9	3234	J13	6300	N21
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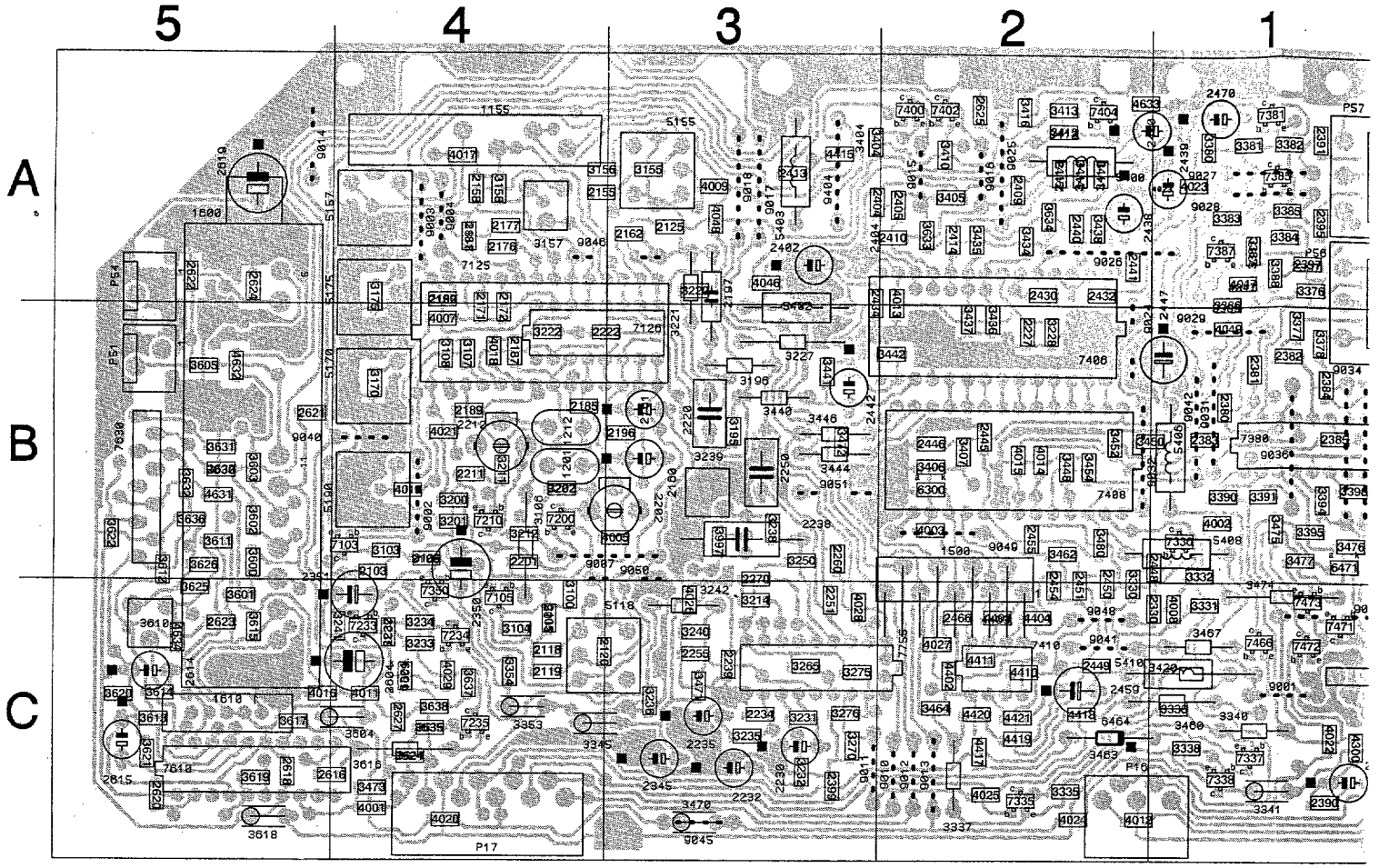

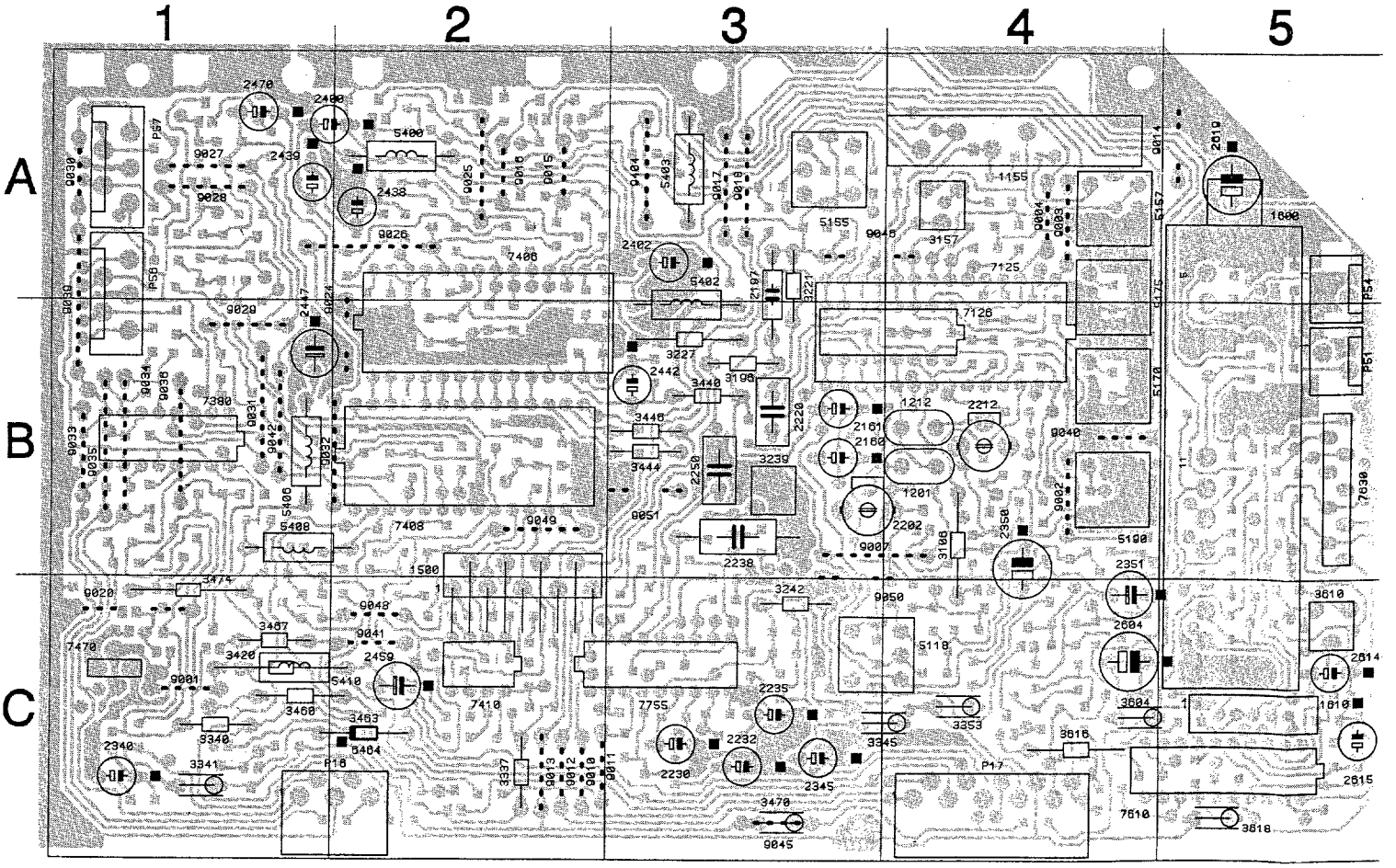

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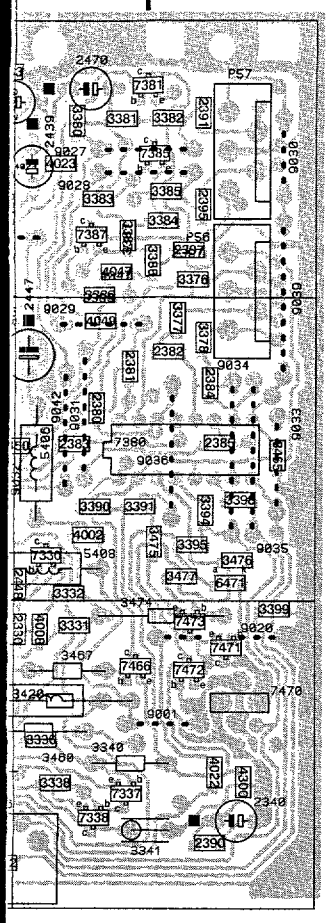

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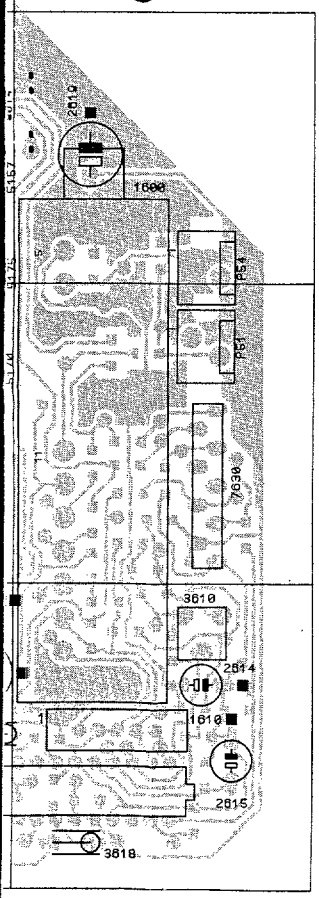

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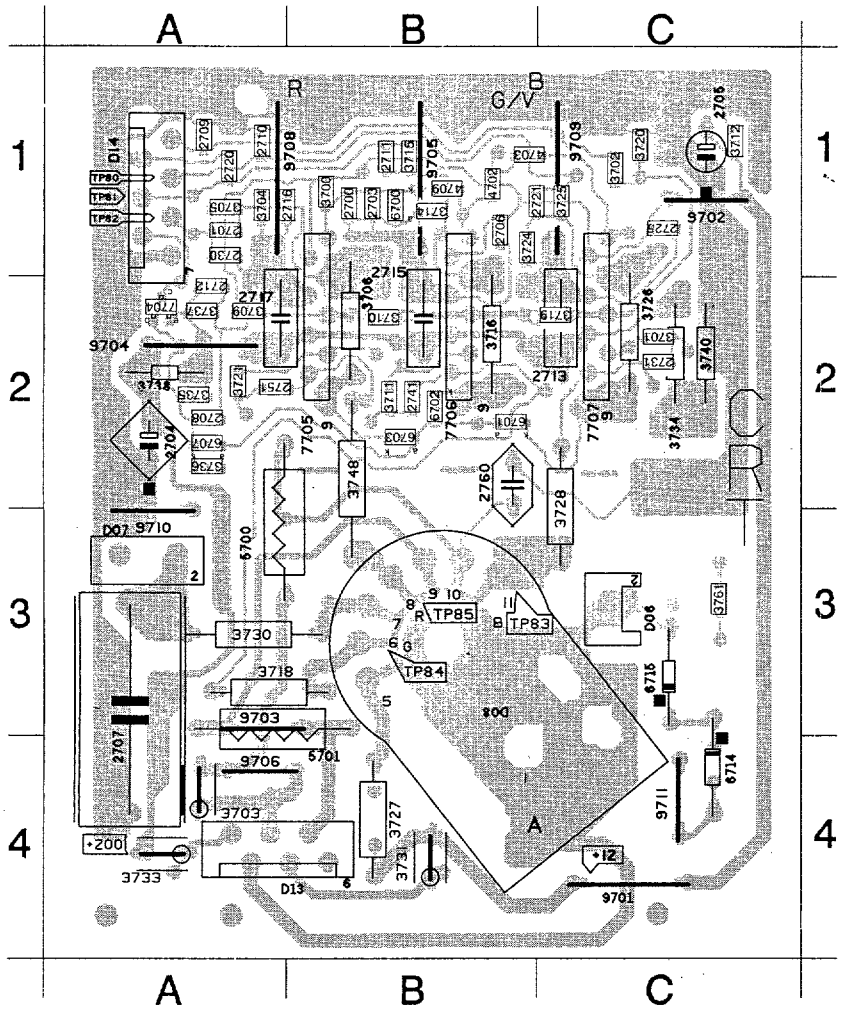
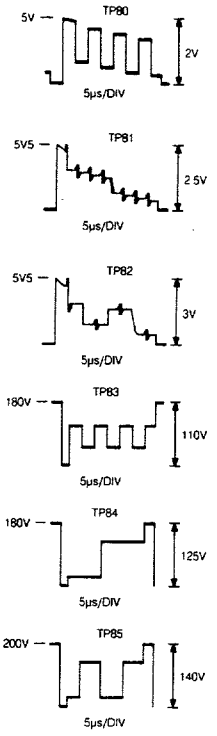
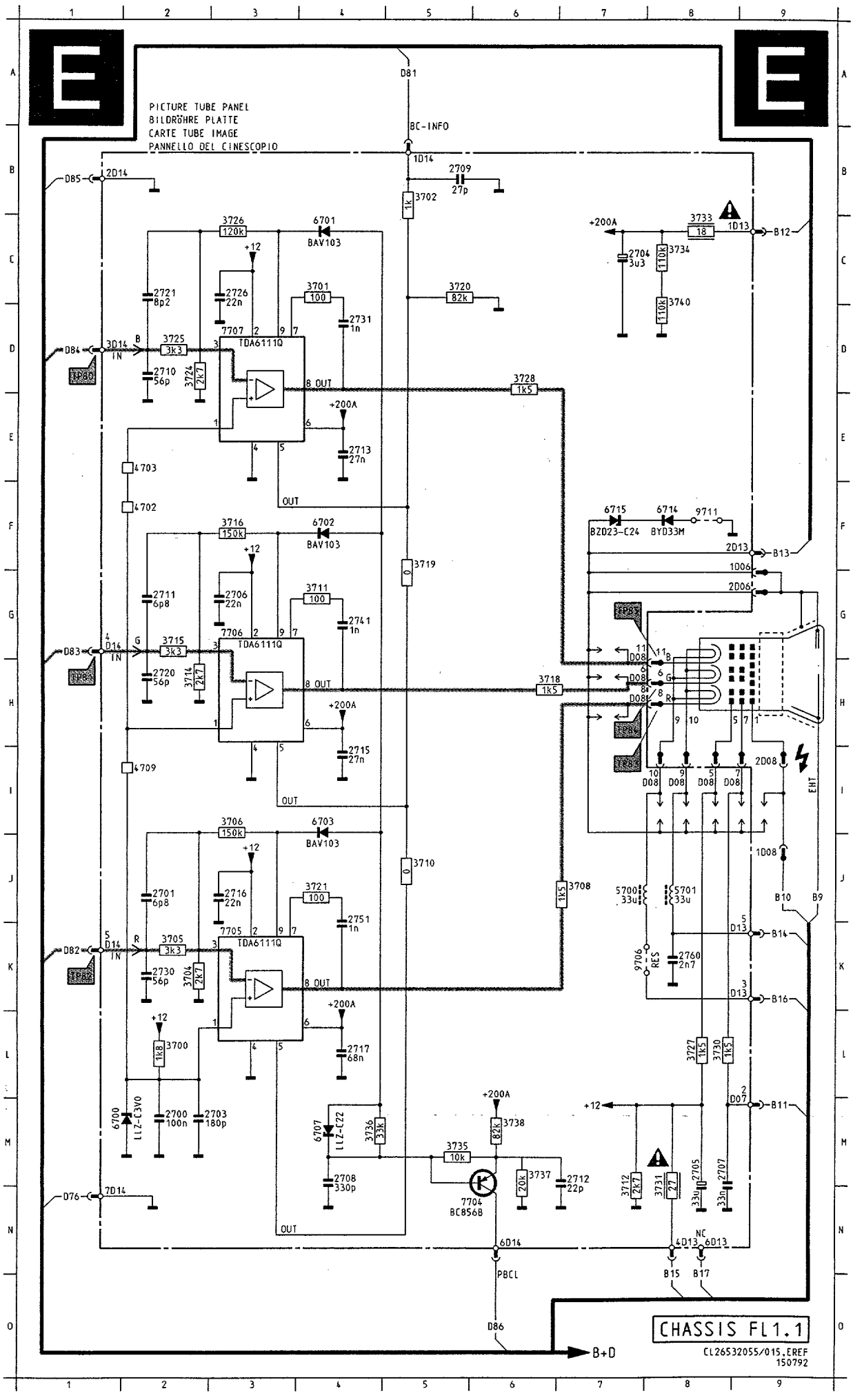
Picture tube panel / Bildröhren Platte /



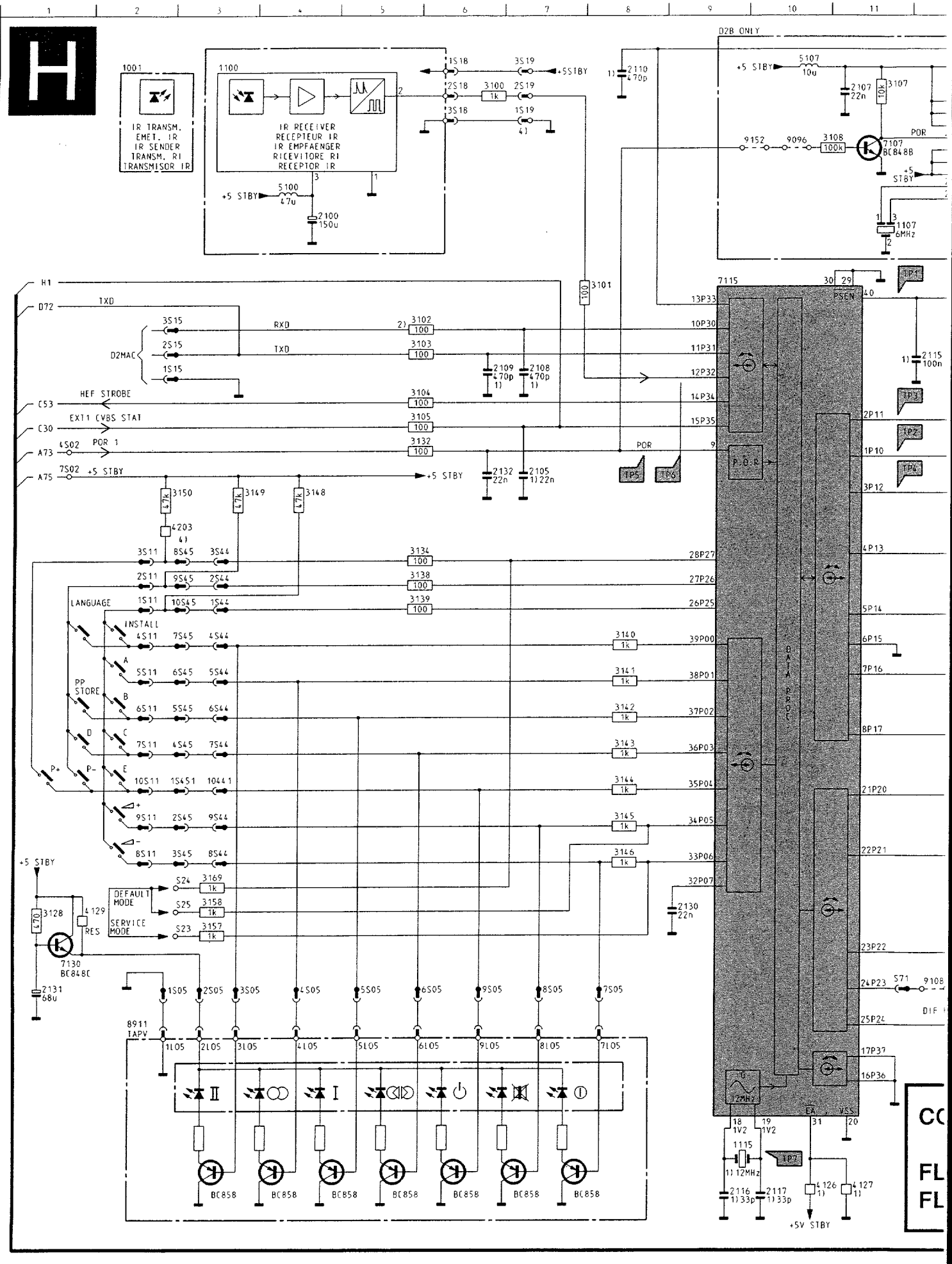


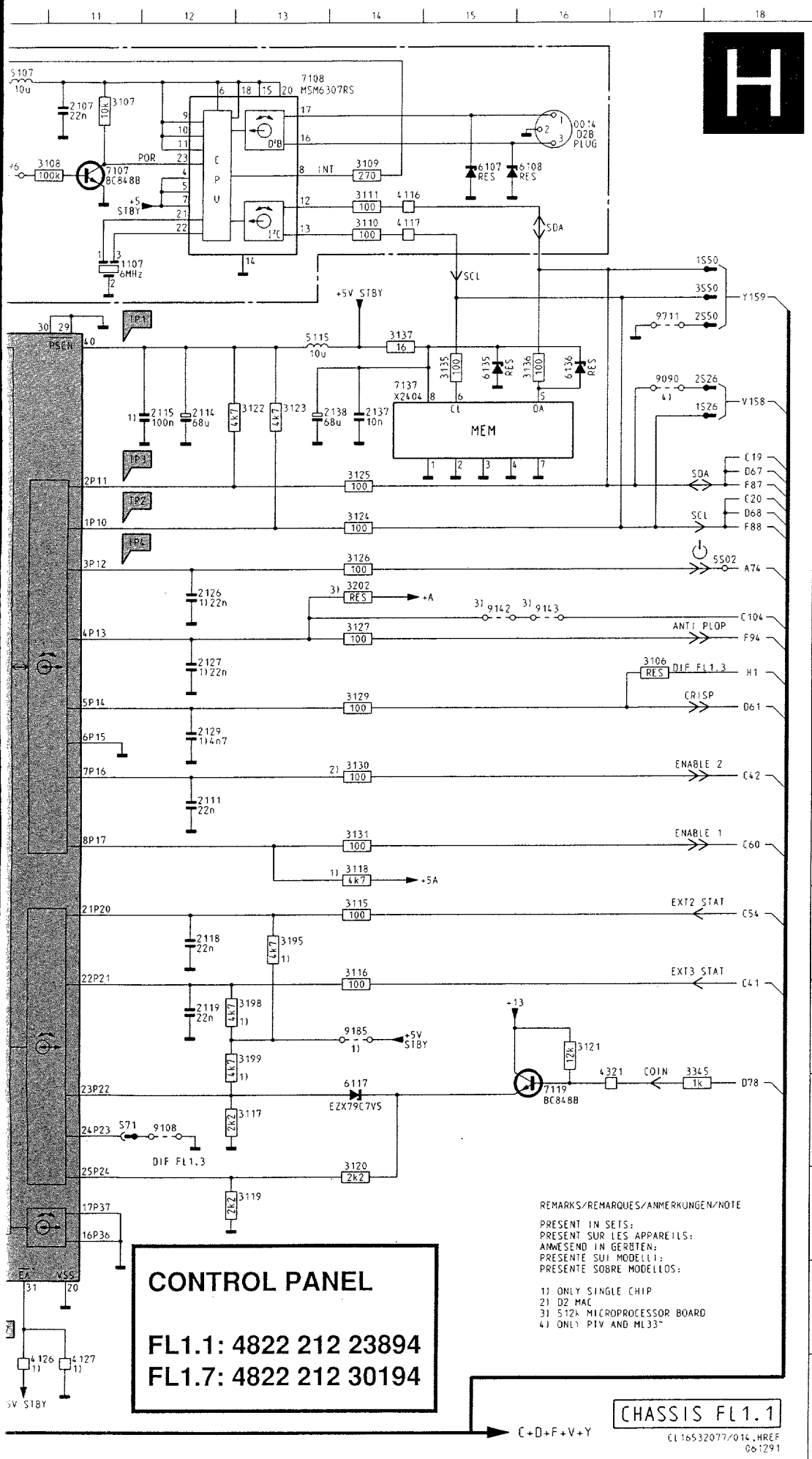
D06 C3	3702 C1	3748 B2
D07 A3	3703 A4	3761 C3
D08 B3	3704 A1	4702 B1
D13 A4	3705 A1	4703 B1
D14 A1	3706 B2	4709 B1
2700 B1	3709 A2	5700 A3
2701 A1	3710 B2	5701 A3
2703 B1	3711 B2	6700 B1
2704 A2	3712 C1	6701 B2
2705 C1	3714 B1	6702 B2
2706 B1	3715 B1	6703 B2
2707 A3	3716 B2	6707 A2
2708 A2	3718 A3	6714 C3
2710 A1	3719 C2	6715 C3
2711 B1	3720 C1	7704 A2
2712 A2	3721 A2	7705 B1
2713 C2	3724 B1	7706 B1
2715 B2	3725 C1	7707 C1
2716 A1	3726 C2	9701 C4
2717 A2	3727 B4	9702 C1
2720 A1	3728 C2	9703 A3
2721 B1	3730 A3	9704 A2
2726 C1	3731 B4	9705 B1
2730 A1	3733 A4	9706 A4
2731 C2	3734 C2	9708 A1
2741 B2	3735 A2	9709 C1
2751 A2	3736 A2	9710 A2
2760 B2	3737 A2	9711 C3
3700 B1	3738 A2	
3701 C2	3740 C2	

6.31 CHASSIS FL1.1 Platine TRC



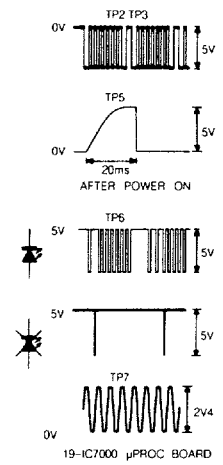
2700	M	2
2701	J	2
2703	M	2
2704	C	7
2705	M	8
2706	G	3
2707	M	8
2708	M	4
2709	B	5
2710	D	2
2711	G	2
2712	M	7
2713	E	4
2715	I	4
2716	J	3
2717	L	4
2720	H	2
2721	C	2
2726	C	3
2730	K	2
2731	D	4
2741	G	4
2751	K	4
2760	K	8
3700	L	2
3701	C	4
3702	B	5
3704	K	2
3705	K	2
3706	I	3
3708	J	7
3710	J	5
3711	G	4
3712	M	7
3714	H	2
3715	G	2
3716	F	3
3718	H	6
3719	F	5
3720	C	5
3721	J	4
3724	D	2
3726	C	3
3727	L	8
3728	D	6
3730	L	8
3731	M	8
3733	C	8
3734	C	8
3735	M	5
3736	M	4
3737	M	6
3738	M	6
3740	C	8
4702	F	2
4703	E	2
4709	I	2
5700	J	7
5701	J	8
6700	M	1
6701	C	4
6702	F	4
6703	I	4
6707	M	4
6714	F	8
6715	F	7
7704	N	6
7705	K	3
7706	G	3
7707	D	3
9706	K	7
9711	F	8


H
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
+5 STBY
5100 47u
2100 150u
1S18
3S19
+5STBY
2S18
3100 1k
2S19
3S18
1S19
2110 470p
D2B ONLY
5107 10u
2107 22n
3107 10k
9152
9096
3108 100k
7107 BC848B
POR
1107 6MHz
H1
D72
TXD
RXD
D2MAC
3S15
2S15
1S15
3101 100
3102 100
3103 100
2109 470p
2108 470p
HEF STROBE
C53
3104 100
EXT1 CVBS STAT
C30
3105 100
4S02
POR 1
A73
3132 100
7S02
+5 STBY
A75
2132 22n
2105 22n
3150 47k
3149 47k
3148 47k
4203
3S11 8S45 3S44
2S11 9S45 2S44
1S11 10S45 1S44
3134 100
3138 100
3139 100
LANGUAGE
INSTALL
4S11 7S45 4S44
A
5S11 6S45 5S44
PP STORE
B
6S11 5S45 6S44
D
C
7S11 4S45 7S44
P+
P-
E
10S11 1S45 1044
9S11 2S45 9S44
8S11 3S45 8S44
3140 1k
3141 1k
3142 1k
3143 1k
3144 1k
3145 1k
3146 1k
2130 22n
S24 3169 1k
DEFAULT MODE
S25 3158 1k
SERVICE MODE
S23 3157 1k
4129 RES
470
3128
7130 BC848C
2131 68u
1S05 2S05 3S05 4S05 5S05 6S05 9S05 8S05 7S05
8911 TAPV
1L05 2L05 3L05 4L05 5L05 6L05 9L05 8L05 7L05
BC858
7115
PSEN
P.O.R
DATA PROC
7MHz
EA
VSS
1115 12MHz
2116 33p
2117 33p
4126
4127
+5V STBY
13P33
10P30
11P31
12P32
14P34
15P35
9
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
30
29
40
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P22
17P37
16P36
18 1V2
19 1V2
31
20
S71
9108
DIF
1P1
1P2
1P3
1P4
1P5
1P6
1P7
2115 100n
CC
FL
FL



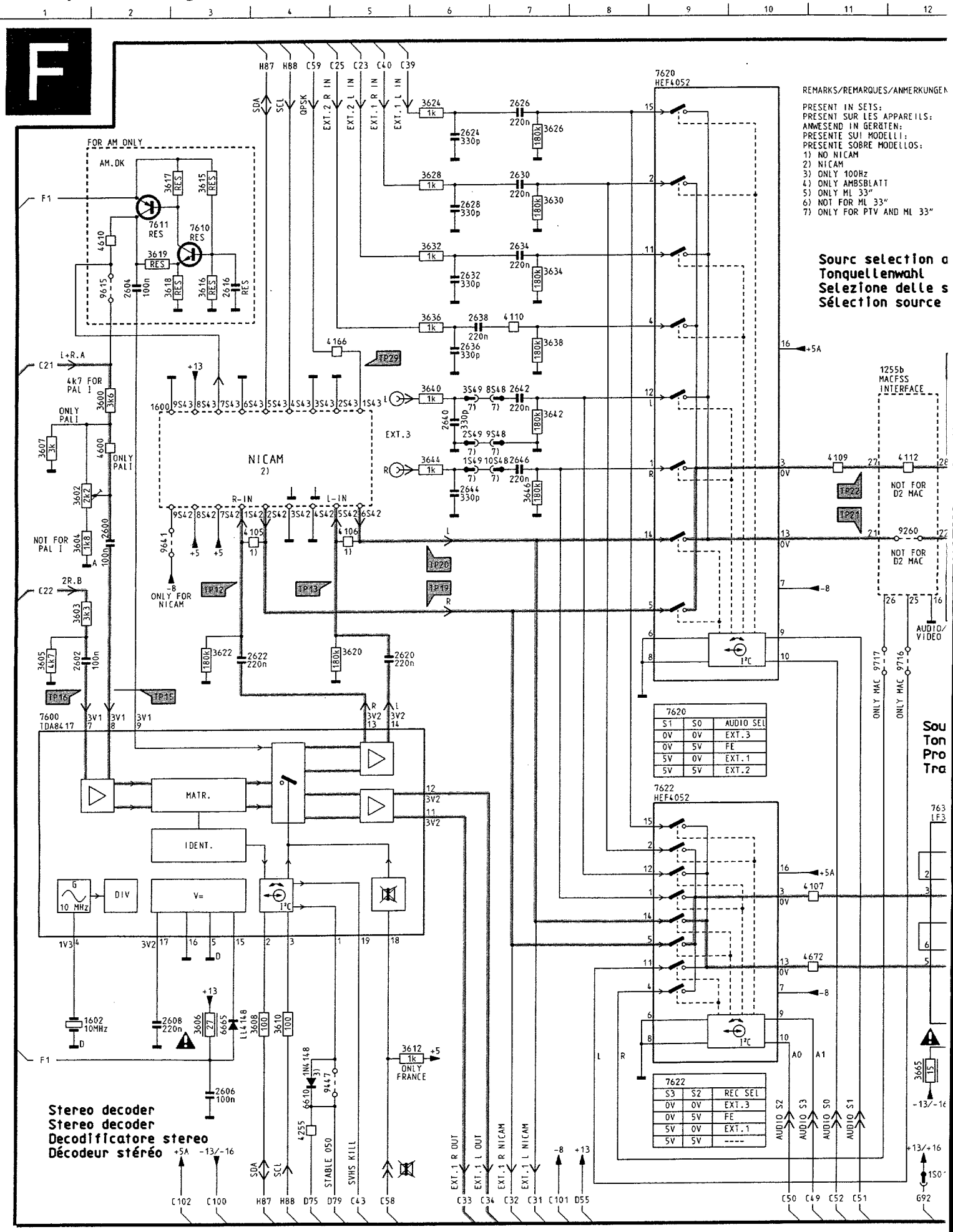
CONTROL PANEL

FL1.1: 4822 212 23894
FL1.7: 4822 212 30194



PRS 06956
T-26/113

0014	A16
1001	A 2
1100	A 3
1107	C11
1115	N 9
2100	C 4
2105	F 7
2107	A11
2108	E 7
2109	E 6
2110	A 8
2111	I12
2114	D12
2115	D12
2116	O 9
2117	O10
2118	J12
2119	K12
2126	F12
2127	G12
2129	H12
2130	K 9
2131	L 1
2132	F 6
2137	D14
2138	D13
3100	A 6
3101	O 8
3102	O 5
3103	O 5
3104	E 5
3105	E 5
3106	G17
3107	A11
3108	B11
3109	B14
3110	B14
3111	B14
3115	J14
3116	J14
3117	L13
3118	I14
3119	M13
3120	M14
3121	K16
3122	D13
3123	D13
3124	F14
3125	E14
3126	F14
3127	G14
3128	K 1
3129	H14
3130	H14
3131	I14
3132	F 5
3134	G 5
3135	D15
3136	D16
3137	D14
3138	G 5
3139	G 5
3140	H 8
3141	H 8
3142	I 8
3143	I 8
3144	J 8
3145	J 8
3146	K 8
3148	F 4
3149	F 3
3150	F 2
3157	K 3
3158	K 3
3169	K 3
3195	J13
3198	K13
3199	K13
3202	F14
3345	L17
4116	B14
4117	B14
4126	O10
4127	O11
4129	K 1
4203	G 2
4321	L17
5100	B 4
5107	A10
5115	D13
6107	B15
6108	B16
6117	L14
6135	D15
6136	D16
7107	B11
7108	A13
7119	L16
7130	L 1
7137	D14
8911	M 2
9090	D17
9096	B10
9108	L12
9142	G15
9143	G16
9152	B10
9185	K14
9711	C17


F
REMARKS/REMARQUES/ANMERKUNGEN
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SU! MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"
Sourc selection a
Tonquellenwahl
Selezione delle s
Sélection source
FOR AM ONLY
AM.DK
NICAM
2)
EXT.3
7620
HEF4052
7622
HEF4052
7600
TDA8417
MATR.
IDENT.
DIV
V=
1255b
MACFSS
INTERFACE
NOT FOR
D2 MAC
ONLY MAC
AUDIO/
VIDEO
ONLY
PALI
NOT FOR
PAL I
ONLY FOR
NICAM
ONLY
FRANCE
Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo
SDA
SCL
QPSK
EXT.2 R IN
EXT.2 L IN
EXT.1 R IN
EXT.1 L IN
R-IN
L-IN
STABLE 050
SVHS KILL
EXT.1 R OUT
EXT.1 L OUT
EXT.1 R NICAM
EXT.1 L NICAM
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1
7620
S1 S0 AUDIO SEL
0V 0V EXT.3
0V 5V FE
5V 0V EXT.1
5V 5V EXT.2
7622
S3 S2 REC SEL
0V 0V EXT.3
0V 5V FE
5V 0V EXT.1
5V 5V ----

Traitement audio

F

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SU! MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

Sourc selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son

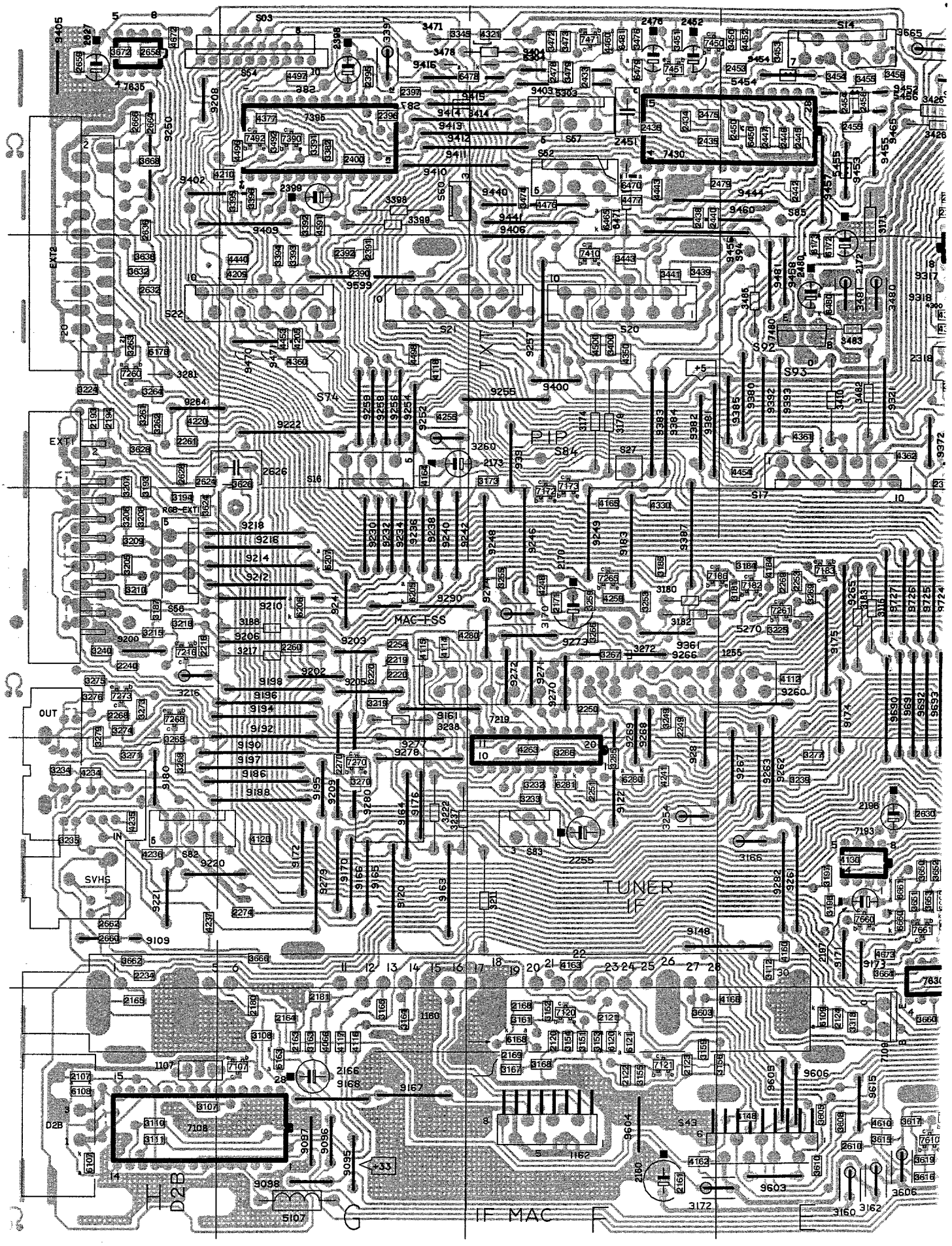
Sound processing
Ton Prozessor
Processore del suono
Traitement son

CHASSIS FL1.1

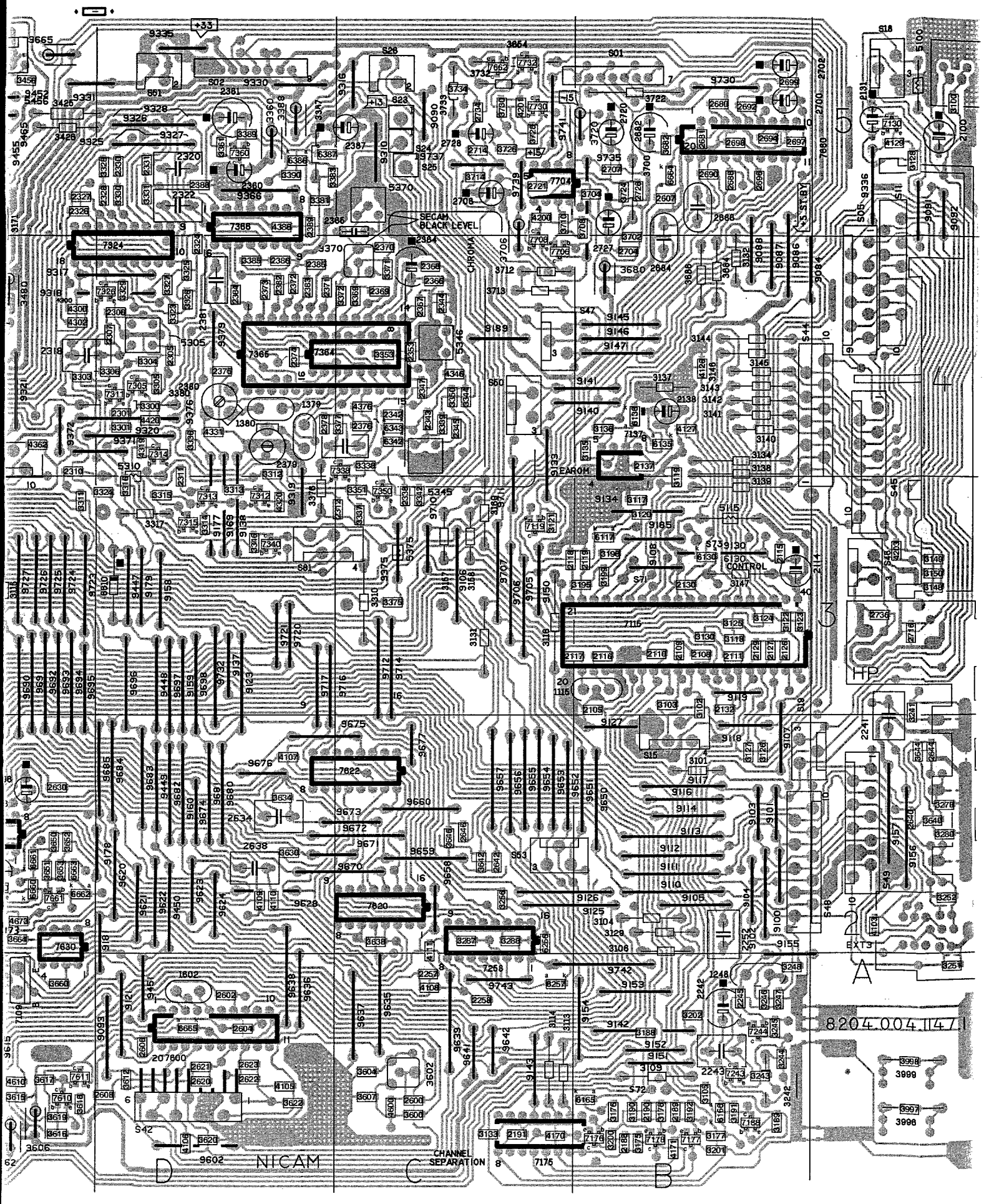
CL16532077/013,FREF 201291

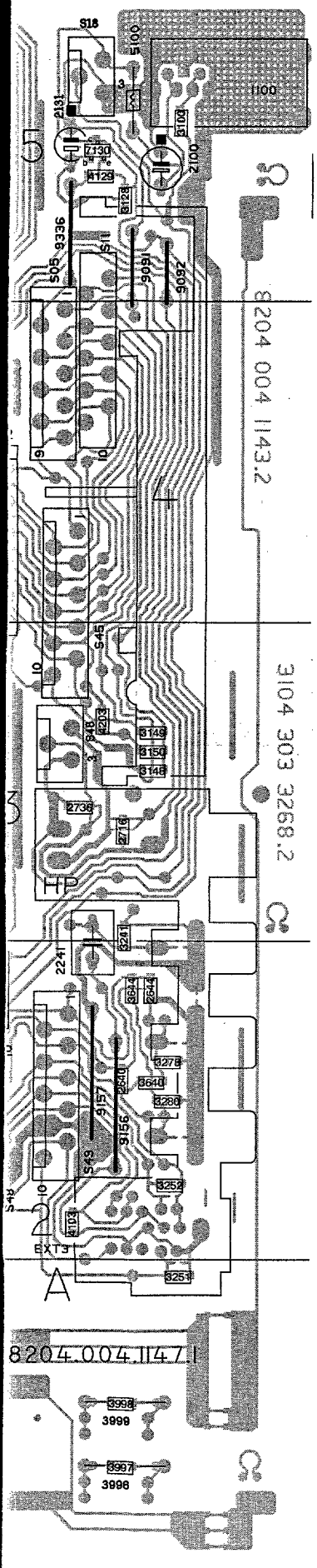
1255	E11	3730	M17
1600	E 2	3732	M18
1602	M 1	3733	M18
2600	G 2	3734	N19
2602	H 1	4105	G 4
2604	D 2	4106	G 5
2606	N 3	4107	K11
2608	M 2	4109	F11
2616	D 3	4110	D 7
2620	H 5	4112	F12
2622	H 3	4166	D 5
2624	B 6	4200	K17
2626	A 7	4201	M18
2627	M13	4255	N 4
2628	C 6	4600	F 2
2630	B 7	4610	C 2
2632	D 6	4672	L11
2634	C 7	4673	C15
2636	D 6	6610	N 4
2638	D 6	6660	B16
2640	E 6	6661	B17
2642	E 7	6662	D16
2644	F 6	6663	D17
2646	F 7	6664	H14
2658	J13	6665	M 3
2659	M12	7600	I 1
2660	C16	7610	C 3
2662	E16	7611	C 2
2664	N14	7620	A 9
2666	N13	7622	J 9
2680	H14	7635	E12
2681	H15	7635	J12
2682	H14	7660	B16
2684	F14	7661	C16
2686	G14	7662	B18
2688	H16	7680	E15
2690	H16	7704	I16
2692	H17	7706	J18
2694	H18	7708	K18
2696	E17	7730	L18
2697	G19	7732	N18
2698	E18	9145	M20
2699	H19	9146	M20
2700	F19	9147	K20
2702	G19	9260	G12
2704	K15	9447	N 5
2706	J19	9615	D 2
2707	J18	9641	G 2
2714	L19	9716	H12
2716	K20	9717	H11
2720	O18		
2721	O17		
2726	N15		
2727	L15		
2728	N15		
2734	N19		
2736	N20		
3174	K19		
3600	E 2		
3602	F 1		
3603	H 1		
3604	G 1		
3605	H 1		
3606	M 3		
3607	F 1		
3608	M 4		
3610	M 4		
3612	M 6		
3615	B 3		
3616	D 3		
3617	B 3		
3618	D 3		
3619	C 2		
3620	H 5		
3622	H 3		
3624	A 6		
3626	B 7		
3628	B 6		
3630	C 7		
3632	C 6		
3634	C 7		
3636	D 6		
3638	D 7		
3640	E 6		
3642	E 7		
3644	F 6		
3646	F 7		
3650	B17		
3651	B17		
3652	D17		
3653	D17		
3654	B18		
3660	C14		
3662	C15		
3664	D14		
3665	M12		
3666	D15		
3668	N14		
3672	N13		
3680	G14		
3682	H14		
3684	D17		
3686	E17		
3700	J14		
3702	K14		
3704	K15		
3706	J19		
3708	J17		
3710	K17		
3712	K18		
3713	K18		
3720	N18		
3722	L14		
3724	N14		
3726	N15		
3728	M17		

Small signal panel Klein-signal Platte



Platine à petite signaux





D28 H1	2171 F3	2389 D5	2736 A3	3186 G3	3304 D4	3492 G5	4130 E2	6166 B1	7610 E1	9172 G2	9327 D5	9660 C2
EXT1 H3	2172 E4	2390 G4	3100 A5	3187 H3	3305 D4	3600 C1	4148 E1	6168 F1	7611 E1	9173 E2	9328 D5	9670 C2
EXT2 H4	2173 G4	2391 G4	3101 B2	3188 B1	3306 D4	3602 C1	4160 E2	6172 E4	7620 C2	9174 E3	9330 D5	9671 D2
EXT3 A3	2180 G1	2392 G4	3102 B3	3189 B1	3310 C3	3603 F1	4162 F1	6173 E4	7622 C2	9175 E3	9331 D5	9672 C2
S01 B5	2181 G1	2395 G5	3103 B3	3190 B1	3311 E3	3604 C1	4163 F2	6178 H4	7630 E1	9176 G2	9335 D5	9673 C2
S02 D5	2188 B1	2396 G5	3104 B2	3191 B1	3312 D4	3605 E1	4164 G4	6205 G3	7635 H5	9177 D3	9336 A5	9674 D2
S03 H5	2189 B1	2397 G5	3105 B1	3192 B1	3313 D3	3606 E1	4165 F3	6206 G3	7660 E2	9178 D2	9361 F3	9675 D2
S05 A4	2190 B1	2398 G5	3106 B2	3193 H4	3314 D3	3607 C1	4166 E1	6207 G3	7661 E2	9179 D3	9366 D5	9676 D2
S11 A5	2191 C1	2399 G5	3107 H1	3194 H3	3315 D3	3608 E1	4170 C1	6256 C2	7662 C5	9180 H2	9371 D4	9677 C2
S14 E5	2193 H4	2400 G5	3108 G1	3195 B3	3316 D3	3610 E1	4171 B1	6257 C1	7680 B5	9181 D2	9372 E4	9680 D2
S15 B2	2194 H4	2433 F5	3109 B1	3196 E2	3317 D3	3612 D1	4184 E3	6280 F2	7704 C5	9183 F3	9375 C3	9681 D2
S16 G4	2196 E2	2434 F5	3110 H1	3197 E2	3318 E1	3615 E1	4200 C5	6281 F2	7706 C4	9185 B3	9376 D4	9682 D2
S17 E4	2197 E2	2435 F5	3111 H1	3198 B3	3323 D4	3616 E1	4201 C5	6342 C4	7708 C4	9186 G2	9379 D4	9683 D2
S18 A5	2216 H3	2436 F5	3112 E2	3199 B3	3324 D3	3617 E1	4203 A3	6343 C4	7730 C5	9188 G2	9380 E4	9684 D2
S19 B2	2219 G3	2438 F5	3113 C1	3200 B1	3325 D4	3618 E1	4205 G4	6386 D5	7732 C5	9189 C4	9381 F4	9685 D2
S20 F4	2220 G3	2440 F5	3114 C1	3201 B1	3326 D4	3619 E1	4209 G4	6387 D5	9084 B4	9190 G2	9382 F4	9690 E3
S21 F4	2234 H2	2442 E5	3115 E3	3202 B1	3327 D4	3620 D1	4210 G5	6450 E5	9086 B4	9192 G3	9383 F4	9691 E3
S22 G4	2240 H3	2445 E5	3116 C3	3205 H3	3328 D5	3622 D1	4220 H4	6465 F5	9087 B4	9194 G3	9384 F4	9692 E3
S23 C5	2241 A2	2446 E5	3117 B3	3206 H3	3329 D4	3624 H3	4234 H2	6470 F5	9088 B4	9195 G2	9385 E4	9693 E3
S24 C5	2242 B1	2447 E5	3118 B3	3207 H4	3330 D5	3626 G4	4235 H2	6471 F5	9090 C5	9196 G3	9387 F3	9694 E3
S25 C5	2243 B1	2460 E5	3119 B4	3208 H3	3331 D5	3628 H4	4236 H2	6478 F5	9091 A5	9197 G2	9391 F4	9695 E3
S26 C5	2245 B1	2451 F5	3120 B3	3209 H3	3336 D4	3630 D2	4237 H2	6479 F5	9092 A5	9198 G3	9392 E4	9696 D3
S27 F4	2249 F3	2452 F5	3121 C3	3210 H3	3337 C3	3632 H4	4241 F2	6480 E4	9093 D1	9200 H3	9393 E4	9697 D3
S42 D1	2250 F3	2453 E5	3122 B3	3211 F2	3338 C4	3634 D2	4246 F3	6481 F5	9095 G1	9202 G3	9400 F4	9698 D3
S43 F1	2251 F2	2454 E5	3123 B3	3215 H3	3339 C4	3636 H4	4255 G4	6610 D3	9096 G1	9203 G3	9402 H5	9705 C3
S44 B4	2252 B2	2455 E5	3124 B3	3216 H3	3342 C3	3638 C2	4259 F3	6660 E2	9097 G1	9205 G3	9403 F5	9706 C3
S45 A4	2253 E3	2456 E5	3125 B3	3217 G3	3344 C4	3640 A2	4263 F2	6661 E2	9098 G1	9206 G3	9404 F5	9707 C3
S46 A3	2254 G3	2476 F5	3126 B2	3218 H3	3345 G5	3642 C2	4280 F3	6662 E2	9100 B2	9208 H5	9405 H5	9710 C3
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S81 D3	2306 D4	2621 D1	3138 B4	3239 E2	3376 D3	3666 G2	4362 E4	7137 B3	9112 B2	9234 G3	9444 E5	9727 E3
S82 G2	2307 D4	2622 D1	3139 B3	3240 H3	3377 C4	3668 H5	4376 C4	7172 F3	9113 B2	9236 G3	9447 D3	9730 B5
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SVHS H2	2311 D4	2624 H4	3141 B4	3242 B1	3381 D5	3680 B4	4386 D5	7175 B1	9116 B2	9240 G3	9449 D2	9735 B5
1100 A5	2312 C3	2626 G4	3142 B4	3243 B1	3382 G5	3682 B5	4420 D4	7176 B1	9117 B2	9241 G3	9450 D2	9737 C5
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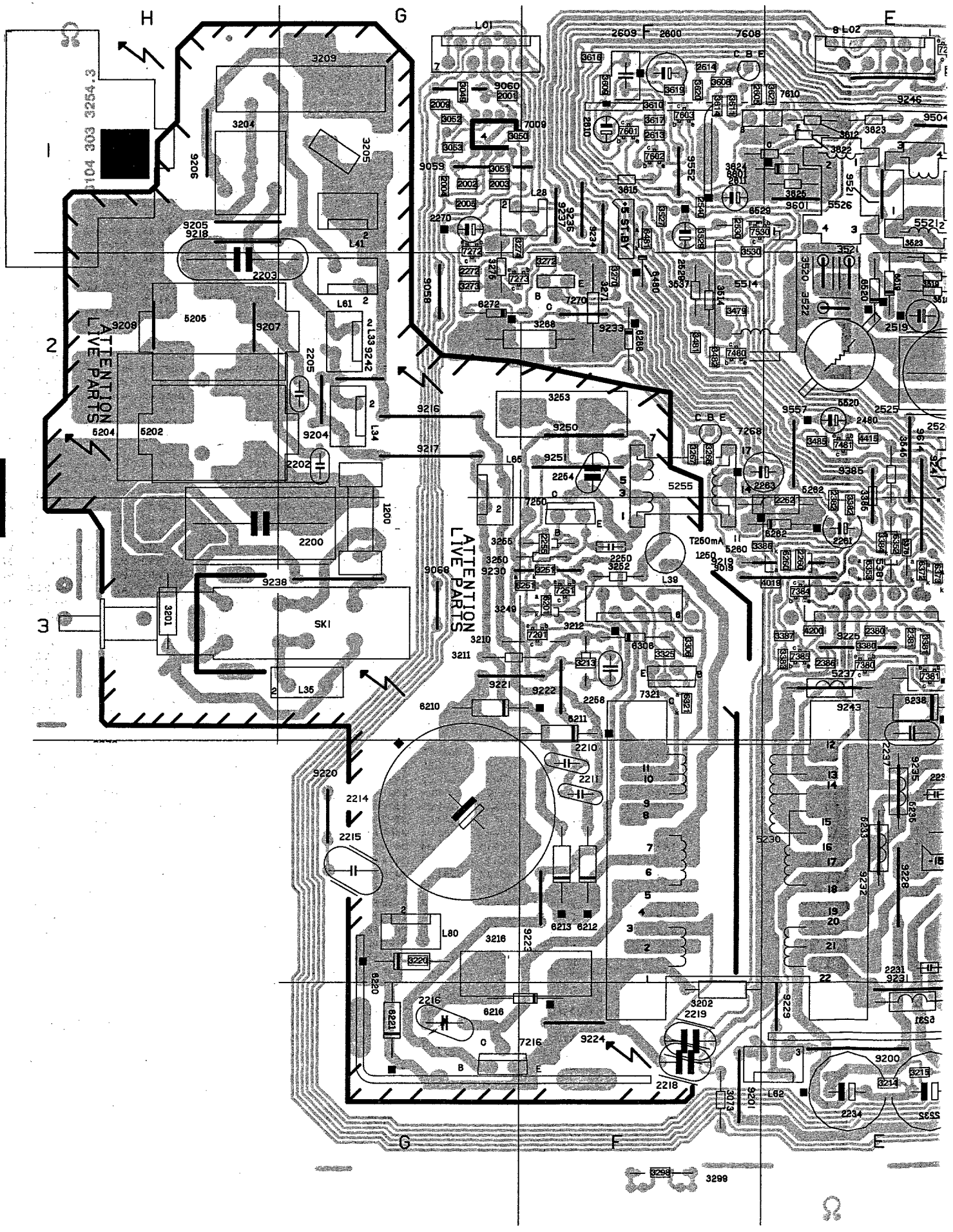
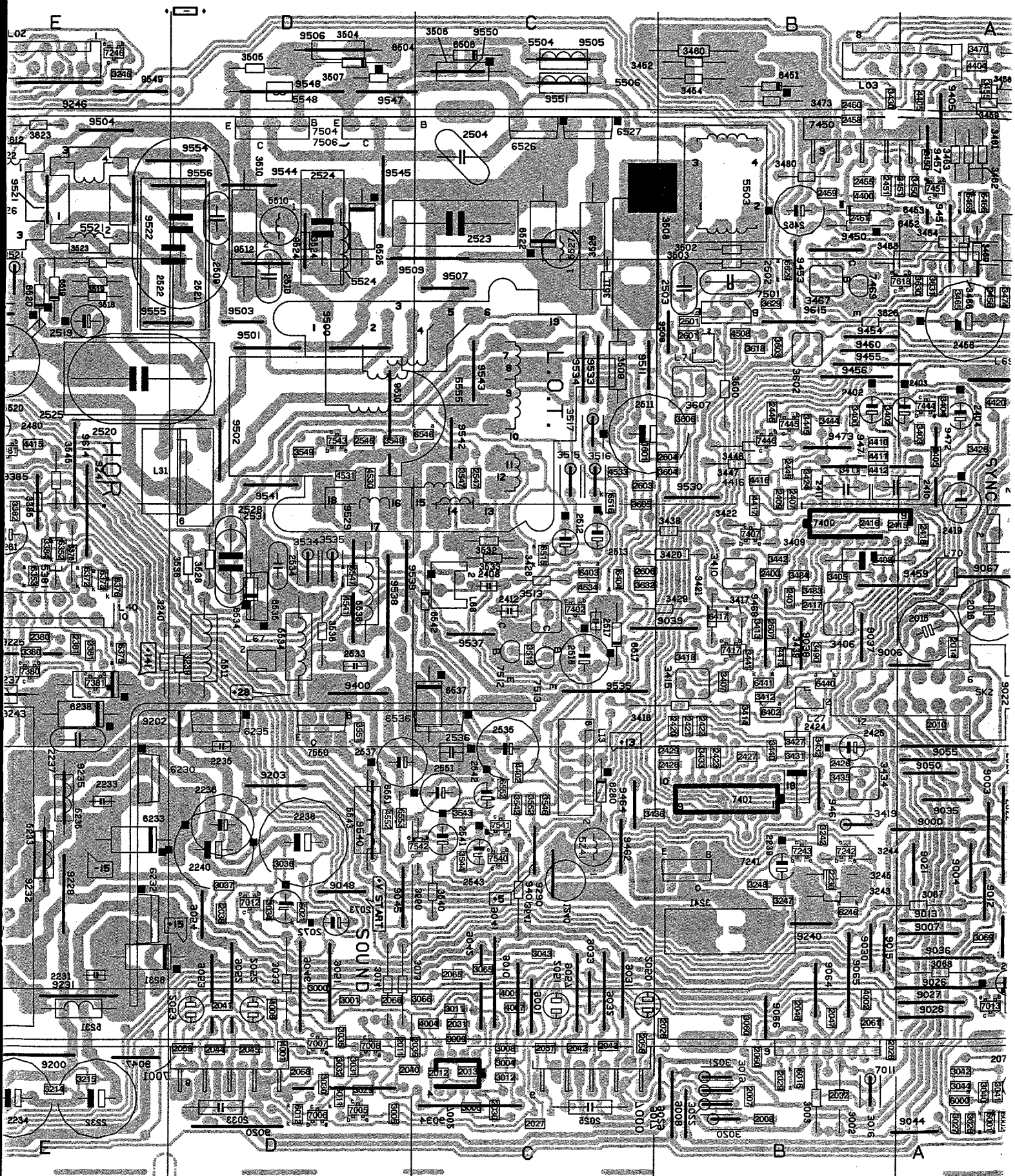
Large signal panel

Großsig

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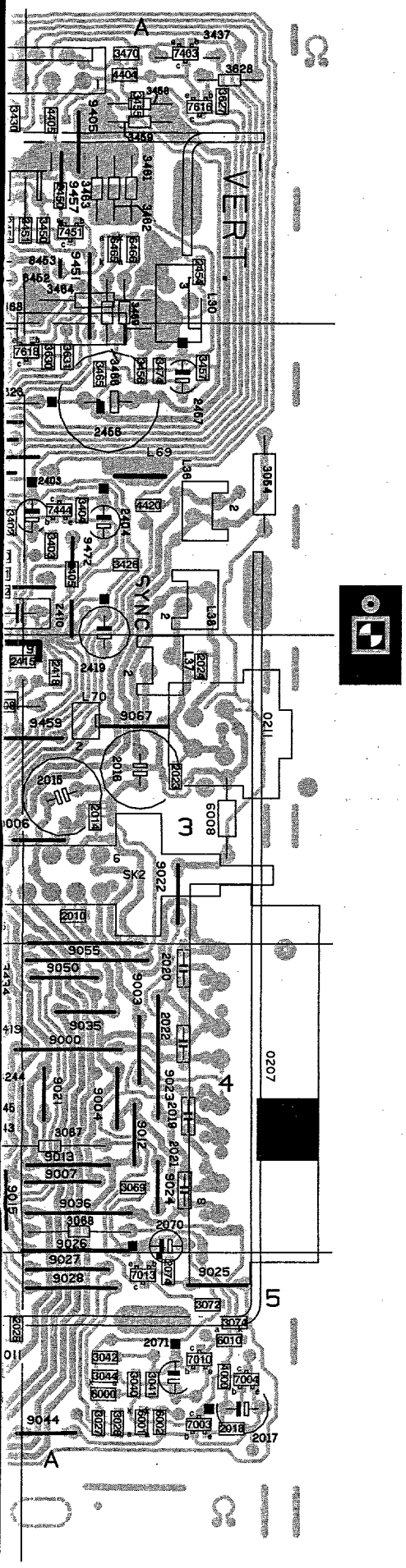

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L01 F1	2231 E4	2535 C4	3268 F2	3454 B1	3628 A1	6315 H5	7444 A2	9228 E4
L02 E1	2232 E5	2536 C4	3270 F2	3455 A1	3629 B2	6318 H5	7445 B2	9229 E5
L03 A1	2233 E4	2537 D4	3271 F2	3456 A2	3630 A2	6319 H5	7446 B2	9230 F3
L13 C4	2234 E5	2540 F1	3272 F2	3457 A2	3631 A2	6321 F3	7450 A1	9231 E5
L27 B3	2235 D3	2541 C4	3273 G2	3458 A1	3632 C3	6331 H4	7451 A1	9232 E4
L28 G1	2236 D4	2542 C4	3274 G1	3459 A1	4000 A5	6349 H4	7469 B2	9233 F2
L30 A1	2237 E3	2543 C4	3275 G2	3460 B1	4001 D5	6350 H4	7480 F2	9234 F1
L31 E2	2238 D4	2546 D2	3298 F5	3461 A1	4002 B5	6351 H4	7481 E2	9235 E4
L33 G2	2239 B4	2547 C2	3299 F5	3462 A1	4004 C5	6352 E3	7501 B2	9236 F1
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L37 A3	2255 F3	2603 C2	3306 F3	3466 A1	4019 E3	6357 H4	7513 C3	9241 E3
L38 A2	2258 F3	2604 B2	3308 H5	3467 B2	4200 E3	6370 H4	7530 F1	9242 G2
L39 F3	2260 E3	2605 F1	3309 H5	3468 A2	4400 B1	6371 H4	7540 C4	9243 E3
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L69 A2	2308 H5	3000 D4	3320 H5	3482 F2	4415 E2	6417 B3	7608 F1	9400 D3
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SK1 G3	2360 H4	3004 C5	3331 H4	3490 B3	4508 B2	6452 B1	9000 A4	9451 A1
SK2 B3	2361 H4	3005 D5	3332 H4	3500 B2	4530 D2	6453 B1	9001 C5	9453 B2
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2001 G1	2376 H4	3011 C5	3357 H4	3505 D1	4541 D3	6481 F1	9007 A4	9457 A1
2002 G1	2380 E3	3012 C5	3358 H4	3506 C1	4552 D4	6504 D1	9008 B5	9459 B3
2003 G1	2381 E3	3013 D4	3360 H4	3507 D1	4552 D4	6506 C1	9010 C5	9460 B2
2004 G1	2382 E3	3014 D4	3362 H4	3508 C2	5202 H2	6515 C3	9012 A4	9461 B4
2005 G1	2386 E3	3016 B5	3364 H4	3509 C2	5204 H2	6516 C2	9013 A4	9462 C4
2007 B5	2400 B3	3019 B5	3365 H4	3510 D1	5205 H2	6517 C3	9015 B4	9464 C4
2008 B5	2401 B3	3020 B5	3366 H4	3511 C2	5230 F4	6519 E2	9017 B5	9468 B3
2009 G1	2402 B2	3021 B5	3368 H4	3512 C3	5231 E5	6520 E2	9019 E3	9471 B2
2010 A3	2403 A2	3022 B5	3369 H4	3513 C3	5233 E4	6522 C1	9020 D5	9472 A2
2011 D5	2404 A2	3027 A5	3370 H4	3514 F2	5235 E4	6525 D1	9021 A4	9473 B2
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2016 A3	2409 B2	3032 D5	3376 E3	3519 E2	5262 E3	6535 D3	9026 A4	9504 E1
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2020 A4	2415 A3	3036 D4	3382 E3	3523 E2	5503 B1	6546 C2	9030 B4	9508 B2
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2046 B5	2456 A2	3201 H3	3417 B3	3548 D2	6012 D5	7216 G5	9054 D4	9547 D1
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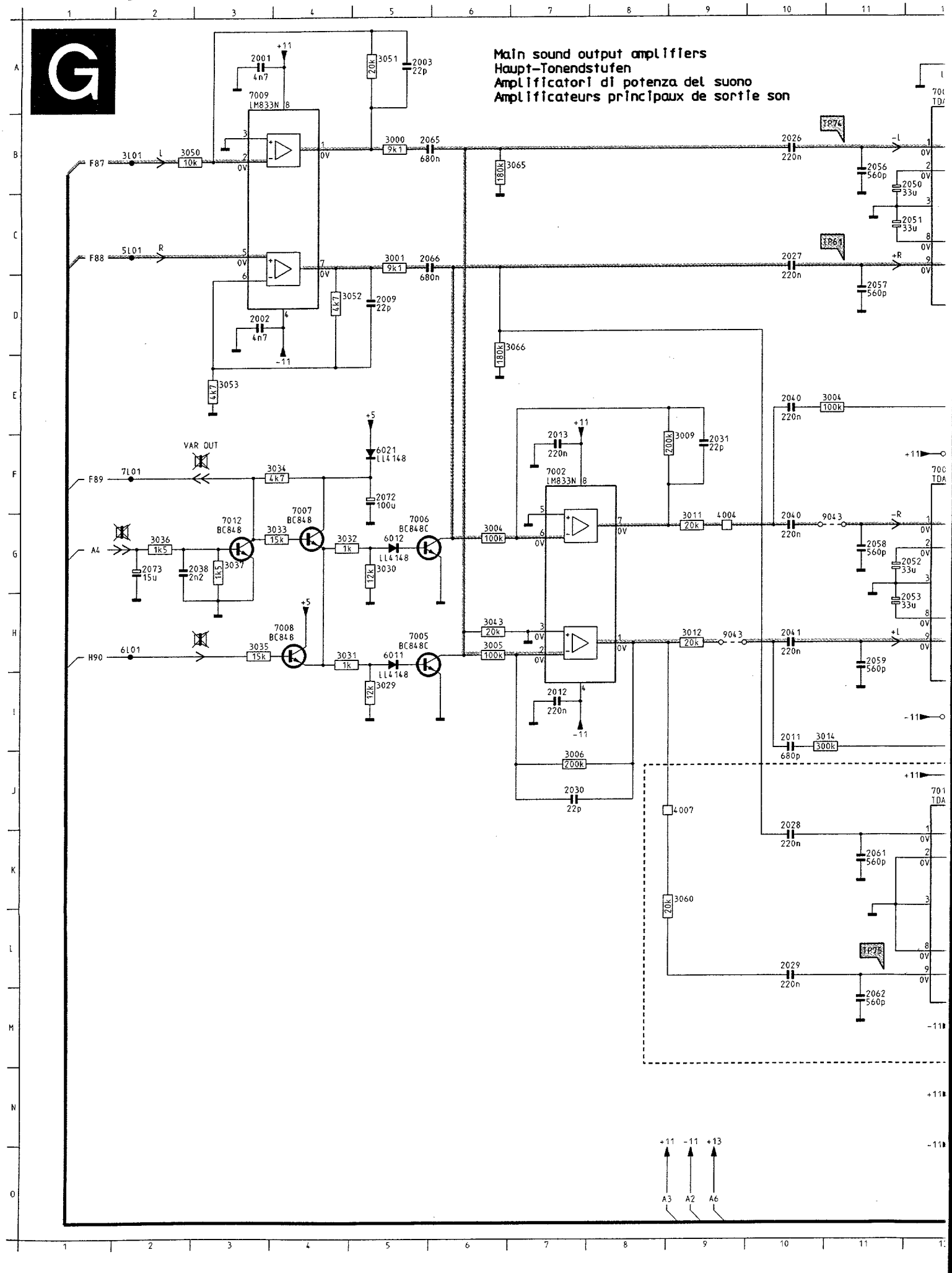
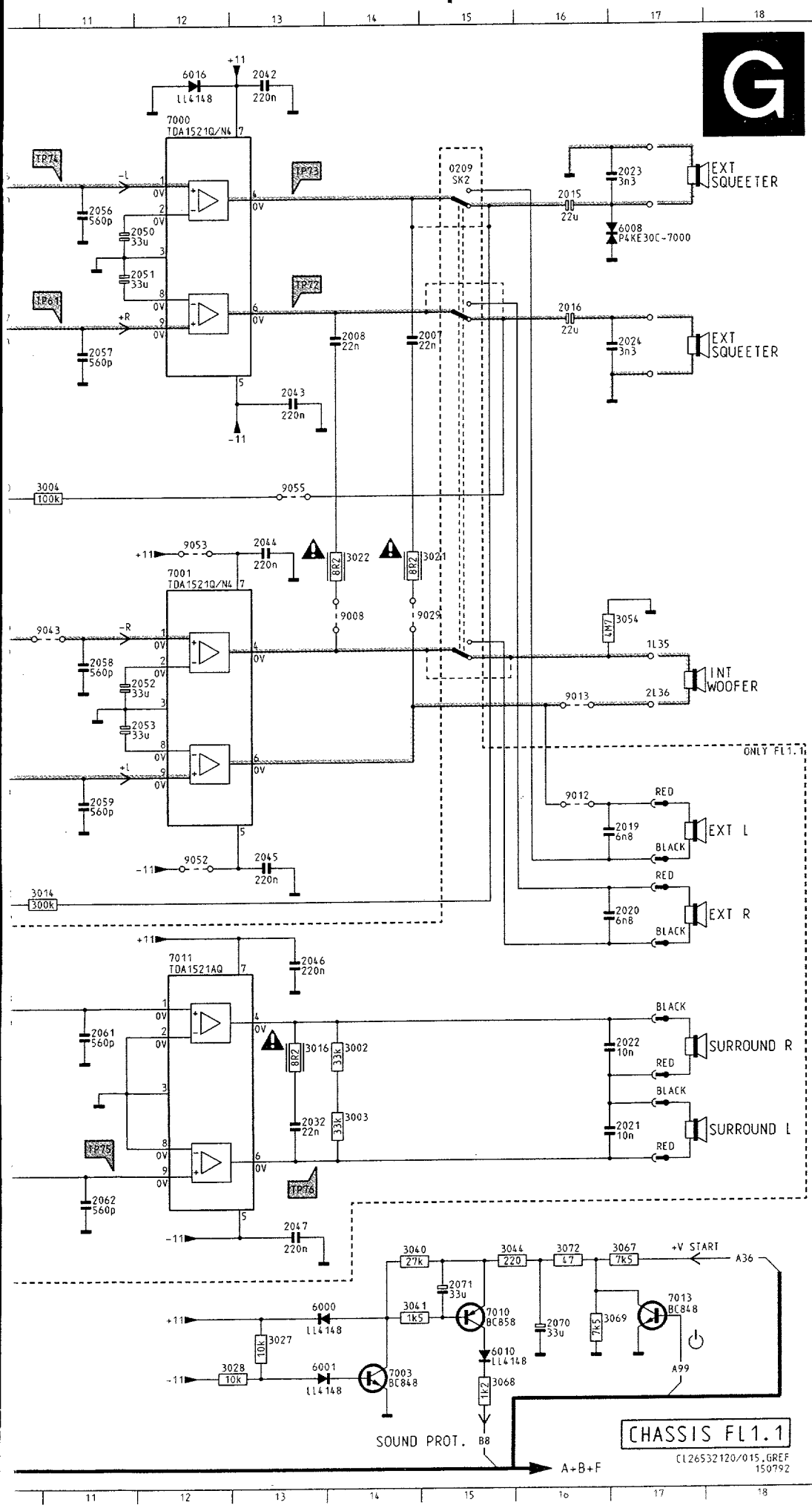
2056 C5	2480 E2	3211 G3	3424 B2	3602 B2	6212 F4	7251 F3	9060 G1	9554 D1
2057 C5	2501 B2	3212 F3	3426 A2	3603 B2	6213 F4	7268 F2	9064 B5	9555 E2
2058 D5	2502 B2	3213 F3	3427 B3	3604 B2	6216 F5	7270 F2	9065 B4	9556 D1
2059 D5	2503 B2	3214 E5	3428 C3	3605 C3	6220 G4	7272 G1	9066 B5	9557 E2
2060 B5	2504 C1	3215 E5	3429 B3	3606 B2	6221 G5	7273 G2	9067 A3	9601 E1
2061 B5	2509 D1	3216 F4	3430 B1	3607 B2	6230 E4	7305 H5	9068 G3	9614 E2
2065 C4	2510 D2	3220 G4	3431 B4	3608 F1	6231 E4	7311 H5	9200 E5	9615 B2
2066 D5	2511 C2	3239 D3	3432 B4	3609 F1	6232 E4	7312 H5	9201 F5	
2070 A4	2512 C3	3240 E3	3433 B4	3610 F1	6233 E4	7318 H5	9202 D3	
2071 A5	2513 C3	3241 B4	3434 B4	3611 F1	6235 D3	7320 H4	9203 D4	
2072 D4	2517 C3	3242 B4	3435 B4	3612 E1	6237 E3	7321 F3	9204 G2	
2073 D4	2518 C3	3243 B4	3436 B4	3614 F1	6238 E3	7360 H4	9205 H1	
2074 A5	2519 E2	3244 B4	3437 A1	3615 F1	6246 B4	7369 H4	9206 H1	
2200 H3	2520 E2	3245 B4	3438 B3	3616 F1	6251 F3	7370 H4	9207 H2	
2202 G2	2521 D1	3246 E1	3439 B3	3617 F1	6260 E3	7371 H4	9208 H2	
2203 H2	2522 D1	3247 B4	3440 B4	3618 B2	6262 E3	7380 E3	9216 G2	
2205 G2	2523 C1	3248 B4	3441 B3	3619 F1	6266 F2	7381 E3	9217 G2	
2210 F4	2524 D1	3249 F3	3442 B3	3620 F1	6272 G2	7384 E3	9218 H1	
2211 F4	2525 E2	3250 F3	3444 B2	3621 E1	6280 C4	7385 E3	9219 E3	
2214 G4	2528 D3	3251 F3	3445 B2	3622 E1	6302 H5	7400 B3	9220 G4	
2215 G4	2529 F1	3252 F3	3446 B2	3623 E1	6303 H5	7401 B4	9221 G3	


G
Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son
F87
F88
F89
H90
A4
A3
A2
A6
VAR OUT
7009 LM833N
7002 LM833N
7012 BC848
7007 BC848
7006 BC848C
7008 BC848
7005 BC848C
6021 LL4148
6012 LL4148
6011 LL4148
3050 10k
3051 20k
3052 4k7
3053 4k7
3000 9k1
3001 9k1
3065 180k
3066 180k
3004 100k
3005 100k
3006 200k
3009 200k
3011 20k
3012 20k
3014 300k
3034 4k7
3036 1k5
3037 1k5
3033 15k
3035 15k
3032 1k
3031 1k
3030 12k
3029 12k
3043 20k
4007
3060 20k
2065 680n
2066 680n
2026 220n
2027 220n
2040 220n
2041 220n
2028 220n
2029 220n
2011 680p
2001 4n7
2002 4n7
2003 22p
2009 22p
2031 22p
2030 22p
2013 220n
2012 220n
2072 100u
2073 15u
2038 2n2
2056 560p
2057 560p
2058 560p
2059 560p
2061 560p
2062 560p
2050 33u
2051 33u
2052 33u
2053 33u
9043
TP74
TP61
TP75
-L
+R
+L
-R
+11
-11
+13
0V

Amplificateur audio



	0209	B15	9008	F14
	2001	A 3	9012	H16
	2002	D 3	9013	G16
	2003	A 5	9029	F14
A	2007	D14	9043	G11
	2008	D14	9043	H 9
	2009	D 5	9052	I12
	2011	I10	9053	F12
	2012	I 7	9055	E13
	2013	F 7		
	2015	B16		
	2016	C16		
B	2019	I17		
	2020	J17		
	2021	L17		
	2022	K17		
	2023	B17		
	2024	D17		
	2026	B10		
	2027	C10		
C	2028	K10		
	2029	L10		
	2030	J 7		
	2031	F 9		
	2032	L13		
	2038	G 2		
	2040	E10		
	2040	G10		
D	2041	H10		
	2042	A13		
	2043	D13		
	2044	F13		
	2045	I13		
	2046	J13		
	2047	M13		
E	2050	B11		
	2051	C11		
	2052	G11		
	2053	H11		
	2056	B11		
	2057	D11		
	2058	G11		
	2059	H11		
F	2061	K11		
	2062	M11		
	2065	B 5		
	2066	C 5		
	2070	N16		
	2071	N15		
	2072	F 5		
G	2073	G 2		
	3000	B 5		
	3001	C 5		
	3002	K14		
	3003	L14		
	3004	G 6		
	3004	E11		
H	3005	H 6		
	3006	J 7		
	3009	F 9		
	3011	G 9		
	3012	H 9		
	3014	I11		
	3016	K13		
	3021	F15		
I	3022	F14		
	3027	N13		
	3028	N13		
	3029	I 5		
	3030	G 5		
	3031	H 4		
	3032	G 4		
J	3033	G 4		
	3034	F 4		
	3035	H 3		
	3036	G 2		
	3037	G 3		
	3040	M14		
	3041	N14		
	3043	H 6		
K	3044	M15		
	3050	B 2		
	3051	A 5		
	3052	D 4		
	3053	E 3		
	3054	F17		
	3060	K 9		
	3065	B 6		
L	3066	D 6		
	3067	M17		
	3068	O15		
	3069	N16		
	3072	M16		
	4004	G 9		
	4007	J 9		
M	6000	N13		
	6001	N13		
	6008	B17		
	6010	N15		
	6011	H 5		
	6012	G 5		
	6016	A12		
	6021	F 5		
N	7000	A12		
	7001	F12		
	7002	F 7		
	7003	O14		
	7005	H 5		
	7006	G 5		
	7007	G 4		
	7008	H 4		
O	7009	A 3		
	7010	N15		
	7011	J12		
	7012	G 3		
	7013	N17		

TP61
0V — 30mV
0.2ms/DIV

TP72
0V — 0.5V
0.2ms/DIV

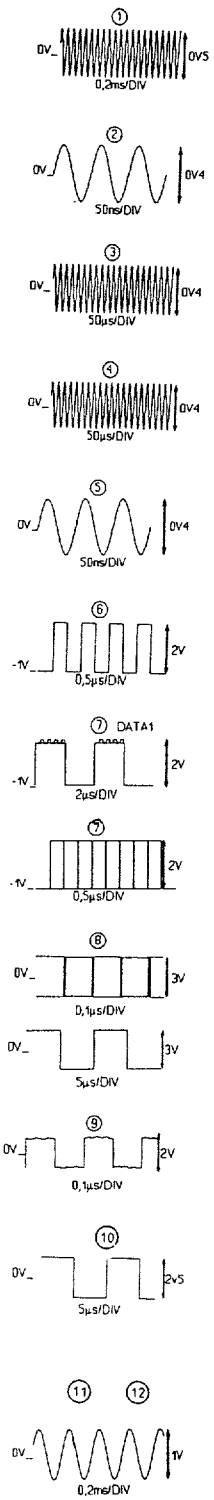
TP73
0V — 0.5V
0.2ms/DIV

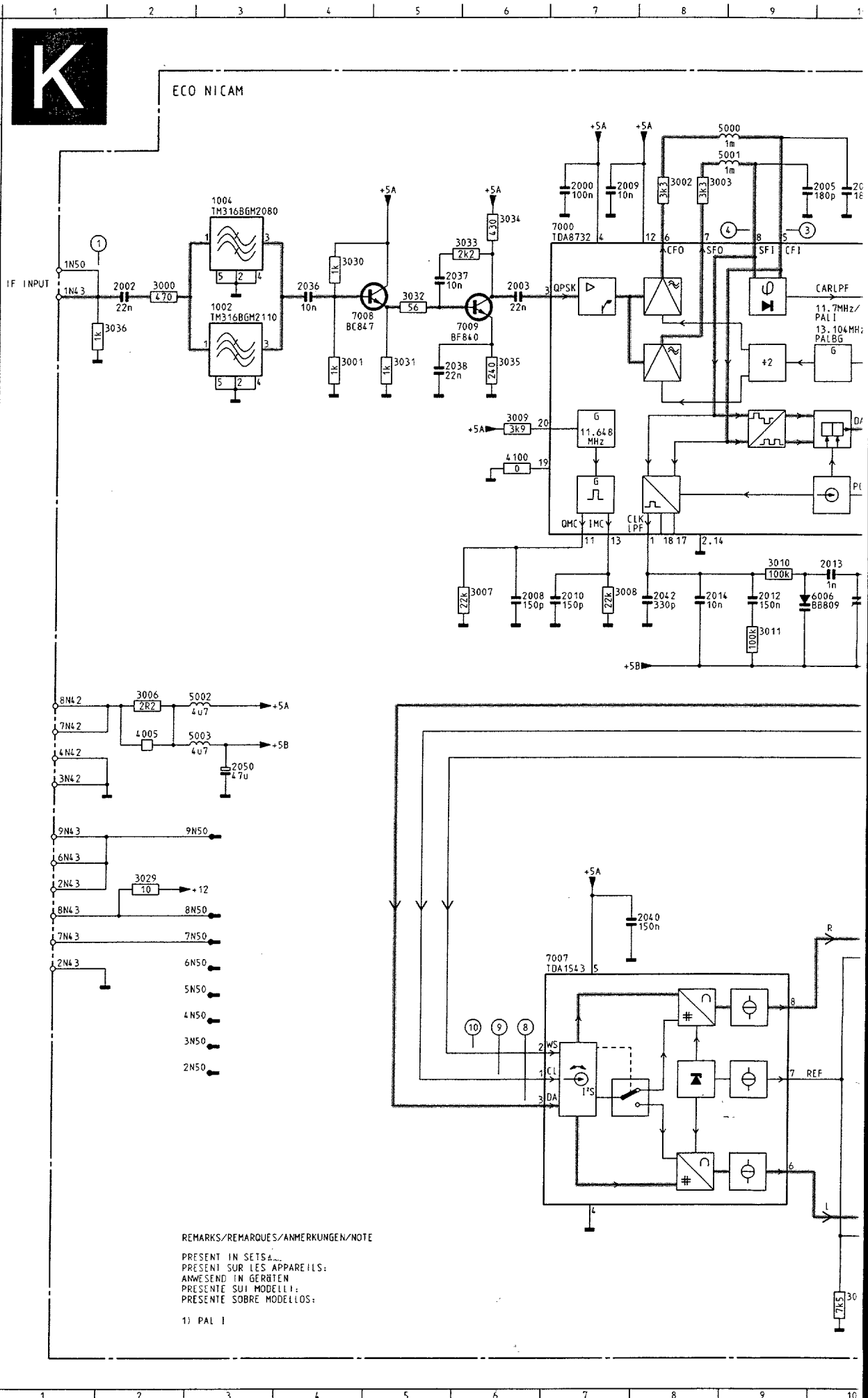
TP74
0V — 30mV
0.2ms/DIV

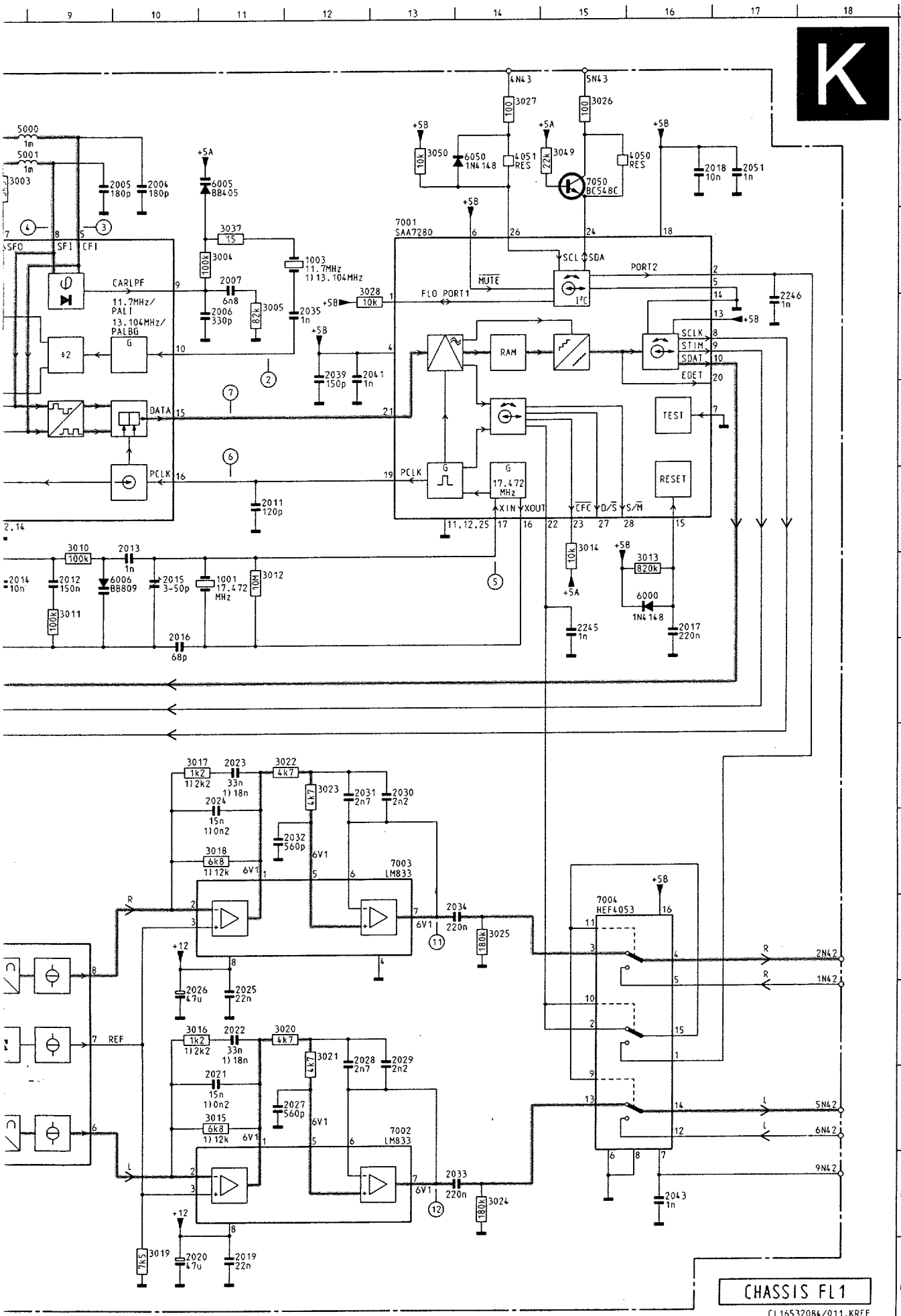
TP75
0V — 40mV
0.2ms/DIV

TP76
0V — 1V
0.2ms/DIV

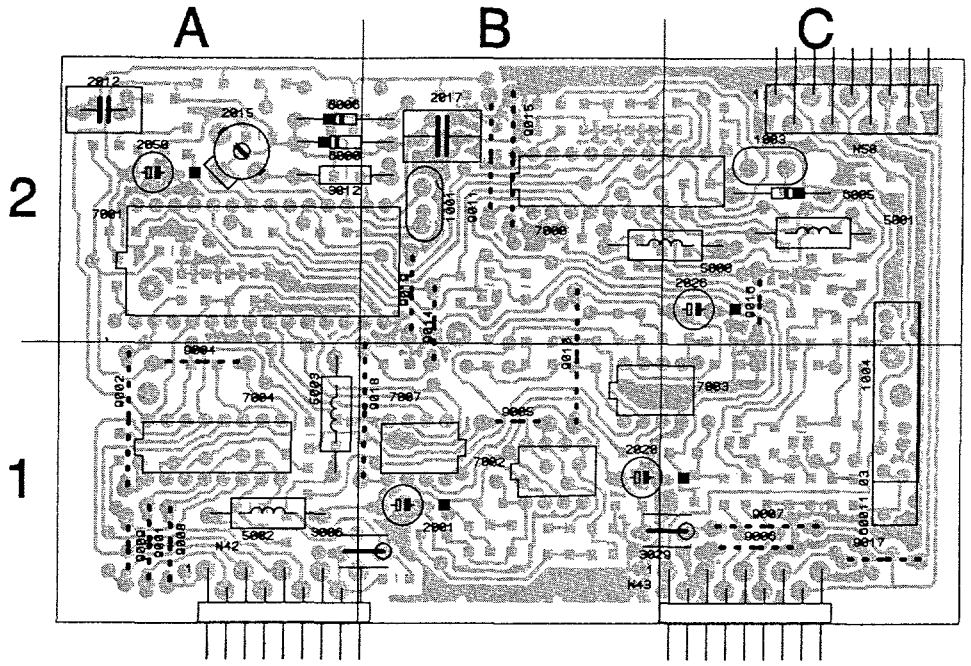
PRS.06962
T-26/113


① 0V 0V5 0,2ms/DIV
② 0V 0V4 50ns/DIV
③ 0V 0V4 50µs/DIV
④ 0V 0V4 50µs/DIV
⑤ 0V 0V4 50ns/DIV
⑥ -1V 2V 0,5µs/DIV
⑦ DATA1 -1V 2V 2µs/DIV
⑦ -1V 2V 0,5µs/DIV
⑧ 0V 3V 0,1µs/DIV
0V 3V 5µs/DIV
⑨ 0V 2V 0,1µs/DIV
⑩ 0V 2V5 5µs/DIV
⑪ ⑫ 0V 1V 0,2ms/DIV


ECO NICAM
IF INPUT
1N50
1N43
1004 TM316BGM2080
1002 TM316BGM2110
7008 BC847
7009 BF840
7000 TDA8732
QPSK
ACFO
SFO
SFI
CFI
CARLPF
11.7MHz/ PALI
13.104MHz PALBG
11.648 MHz
QMC
IMC
CLK
LPF
8N42
7N42
4N42
3N42
9N43
6N43
2N43
8N43
7N43
2N43
9N50
8N50
7N50
6N50
5N50
4N50
3N50
2N50
+5A
+5B
+12
7007 TDA1543
WS
CL
DA
I²S
REMARKS/REMARQUES/ANMERKUNGEN/NOTE
PRESENT IN SETS/...
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) PAL I

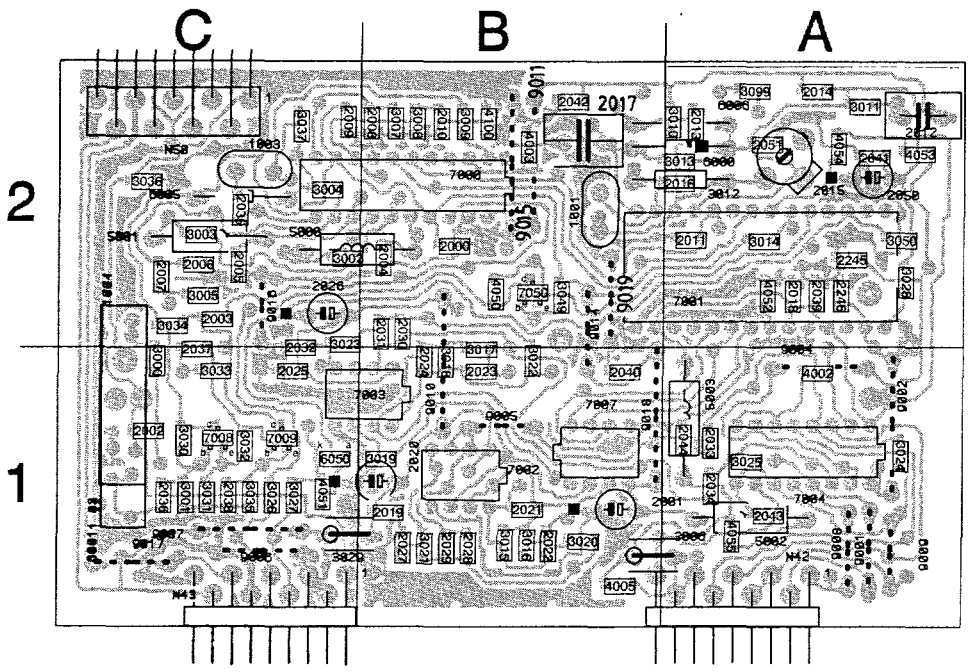


	1001	G11
	1002	D 3
	1003	C12
	1004	B 3
A	2000	B 7
	2002	C 2
	2003	C 6
	2004	B10
	2005	B 9
	2006	D11
	2007	C11
	2008	G 6
B	2009	B 7
	2010	G 7
	2011	F11
	2012	G 9
	2013	F10
	2014	G 8
	2015	G10
	2016	G10
C	2017	G16
	2018	B16
	2019	O11
	2020	O10
	2021	M11
	2022	L11
	2023	I11
D	2024	I11
	2025	L11
	2026	L10
	2027	M12
	2028	L12
	2029	L13
	2030	I13
	2031	I12
E	2032	J12
	2033	N14
	2034	K14
	2035	D12
	2036	C 4
	2037	C 5
	2038	D 5
F	2039	D12
	2040	J 8
	2041	D12
	2042	G 8
	2043	N16
	2050	I 3
	2051	B17
	2245	G15
G	2246	D17
	3000	C 2
	3001	D 4
	3002	B 8
	3003	B 8
	3004	C11
	3005	D11
	3006	H 2
H	3007	G 6
	3008	G 7
	3009	E 6
	3010	F 9
	3011	G 9
	3012	G11
	3013	G16
I	3014	F15
	3015	M11
	3016	L10
	3017	I10
	3018	J11
	3019	O10
	3020	L12
J	3021	L12
	3022	I12
	3023	I12
	3024	N14
	3025	K14
	3026	A15
	3027	A14
	3028	C13
K	3029	J 2
	3030	C 4
	3031	D 5
	3032	C 5
	3033	C 6
	3034	C 6
	3035	D 6
	3036	D 1
L	3037	C11
	3049	B15
	3050	B13
	4005	H 2
	4050	B16
	4051	B14
	4100	E 6
M	5000	B 9
	5001	B 9
	5002	H 3
	5003	H 3
	6000	G16
	6005	B11
	6006	G 9
	6050	B14
N	7000	C 7
	7001	C13
	7002	M13
	7003	J13
	7004	K15
	7007	K 7
	7008	D 5
	7009	D 6
O	7050	B15



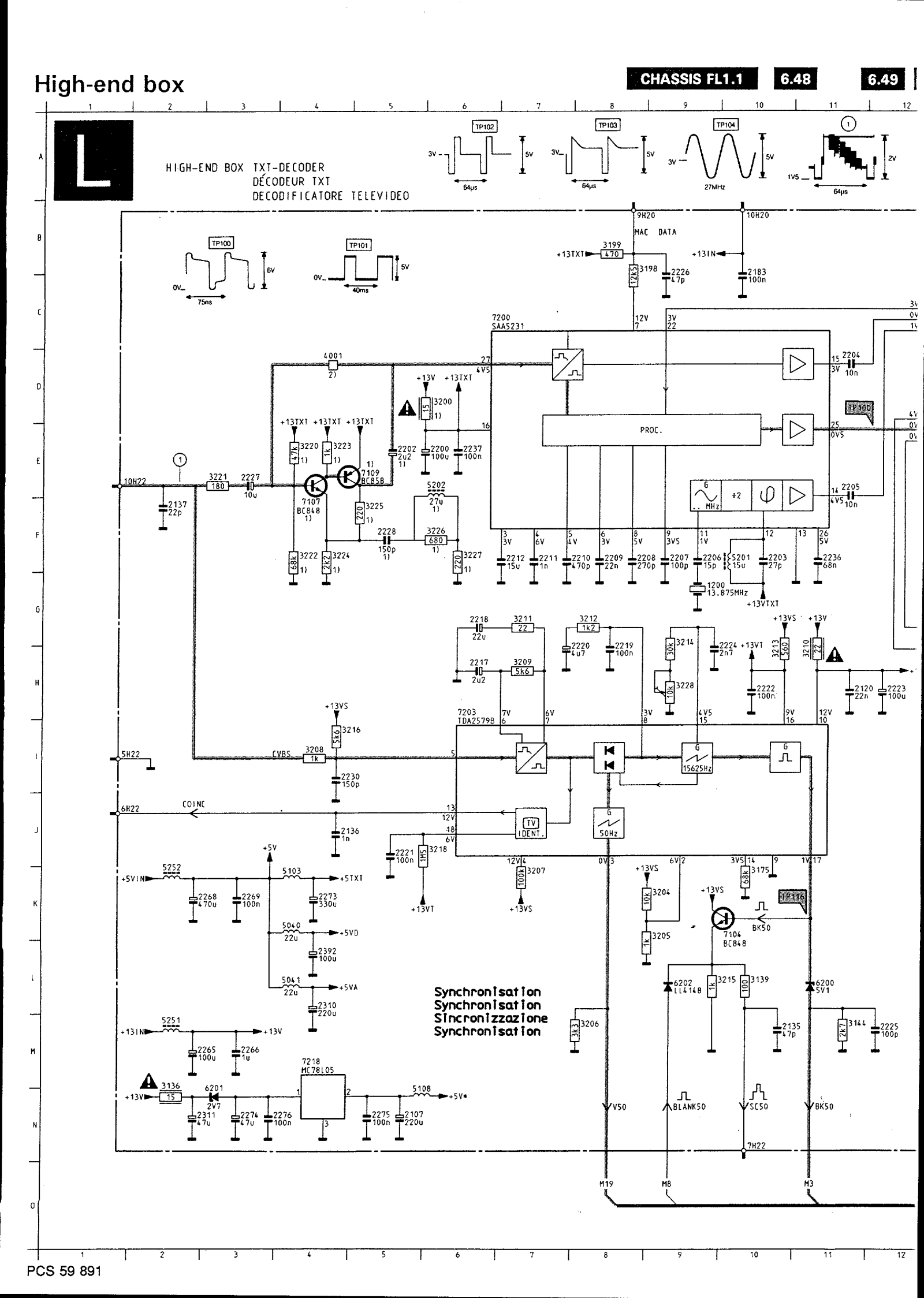
N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3008 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	2018 A2	2034 A1	3001 C1	3016 B1	3032 C1	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	

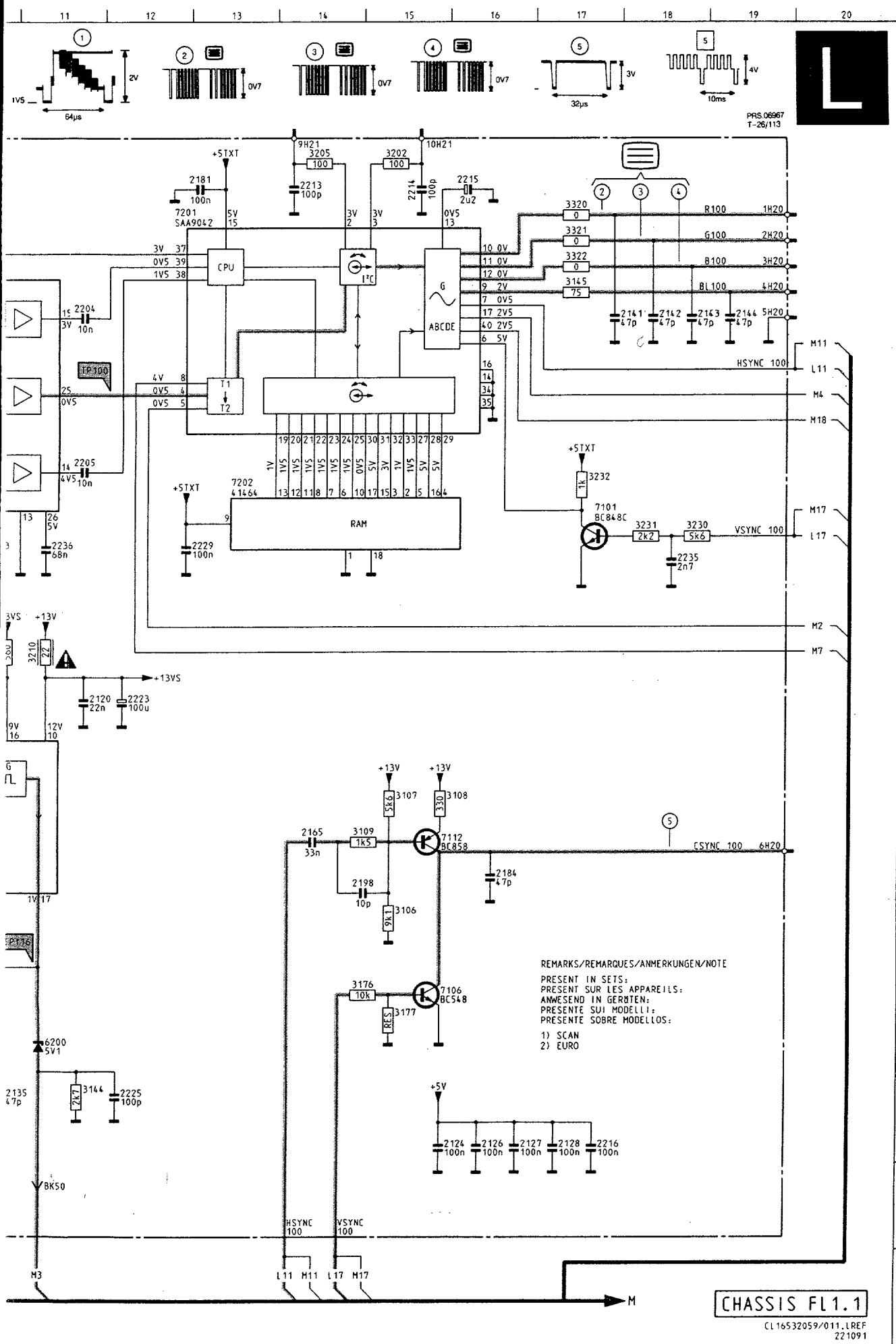
NICAM



N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3015 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	2018 A2	2034 A1	3001 C1	3016 B1	3032 C1	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	6000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	6001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	6002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	6003 A1	9002 A1	

HIGH-END BOX TXT-DECODER
DÉCODEUR TXT
DECODIFICATORE TELEVIDEO





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	2107	N 5	6201	N 3
	2120	H11	6202	L 9
	2124	M15	7101	F17
A	2126	M16	7104	K10
	2127	M16	7106	L15
	2128	M17	7107	F 4
	2135	M10	7109	E 5
	2136	J 4	7112	J15
	2137	F 2	7200	C 6
	2141	D17	7201	C12
	2142	D18	7202	F13
B	2143	D18	7203	H 6
	2144	D19	7218	M 4
	2165	J14		
	2181	B13		
	2183	C10		
	2184	J16		
	2198	J14		
	2200	E 6		
C	2202	E 5		
	2203	F10		
	2204	D11		
	2205	E11		
	2206	F 9		
	2207	F 9		
	2208	F 8		
	2209	F 8		
D	2210	F 7		
	2211	F 7		
	2212	F 7		
	2213	B14		
	2214	B15		
	2215	B16		
	2216	M17		
E	2217	H 6		
	2218	G 6		
	2219	H 8		
	2220	H 7		
	2221	J 5		
	2222	H10		
	2223	H12		
F	2224	H 9		
	2225	M12		
	2226	C 9		
	2227	E 3		
	2228	F 5		
	2229	F12		
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G	2236	F11		
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H	2274	N 3		
	2275	N 5		
	2276	N 3		
	2310	L 4		
	2311	N 2		
	2392	L 4		
	3106	K15		
	3107	I15		
I	3108	I15		
	3109	J14		
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	3144	M11		
	3145	C17		
	3175	K10		
J	3176	K14		
	3177	L15		
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	3212	G 8		
L	3213	H10		
	3214	G 9		
	3215	L 9		
	3216	I 4		
	3218	J 6		
	3220	E 4		
	3221	E 3		
M	3222	F 4		
	3223	E 4		
	3224	F 4		
	3225	F 5		
	3226	F 6		
	3227	F 6		
	3228	H 9		
N	3230	F18		
	3231	F18		
	3232	E17		
	3320	B17		
	3321	C17		
	3322	C17		
	4001	D 4		
	5040	K 4		
	5041	L 4		
O	5103	K 4		
	5201	F10		
	5202	E 6		
	5251	M 2		
	5252	K 2		

High-end box

1200 B1
2104 B1
2107 C2
2108 C2
2113 A2
2150 C5
2169 C4
2187 A2
2200 C1
2202 C1
2215 B1
2217 C4
2218 C4
2220 C4
2223 C5
2224 C5
2227 C1
2251 A3
2253 A4
2254 A4
2262 B5
2265 B5
2268 B4
2273 B1
2274 C2
2277 A4
2292 B5
2310 B5
2311 C3
3000 B1
3136 C3
3200 C1
3210 B5
3228 C5
3262 B5
5040 B5
5041 B5
5100 C2
5101 A2
5102 B5
5103 A2
5104 B4
5105 B3
5106 B3
5107 B3
5108 C2
5109 B4
5150 C3
5151 B4
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5201 B1
5202 C1
5251 B5
5252 B5
6201 C3
7108 A5
7200 C1
7201 B1
7202 A1
7203 C5
7204 C2
7205 C2
7206 C2
7207 A2
7209 A5
7210 C3
7211 C3
7212 C3
7213 C4
7214 B4
7215 B4
7216 B4
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7254 A4
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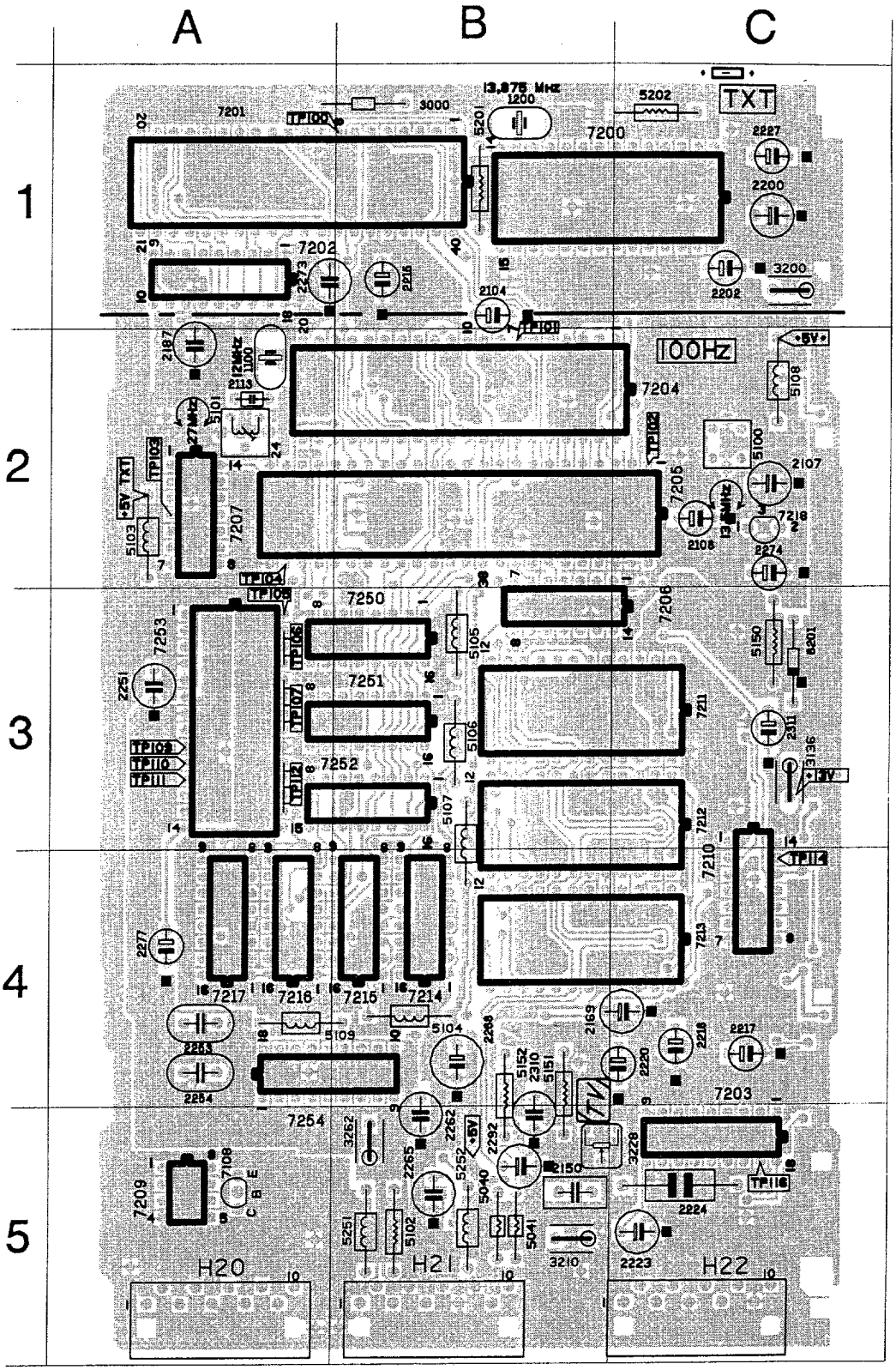
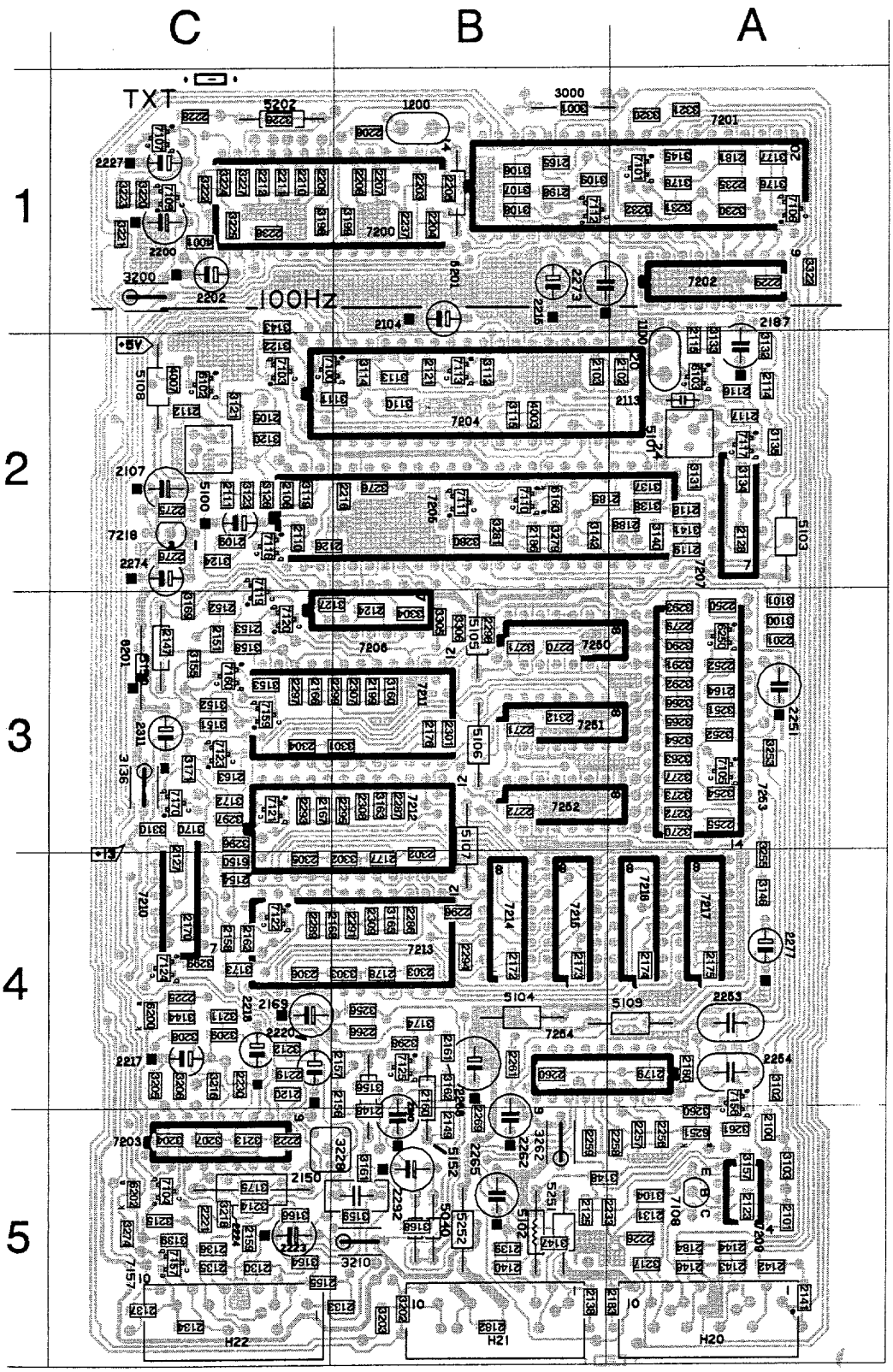
H21 B5
H22 C5



High-end box



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2219 C4 3142 B2 3310 C3
2220 C4 3143 C1 3320 A1
2221 C5 3144 C4 3321 A1
2222 C5 3145 A1 3322 A1
2223 C5 3146 A4 4001 C1
2224 C5 3147 B5 4003 B2
2225 C4 3148 B5 4007 C2
2226 A5 3151 C3 5040 B5
2227 C1 3152 C3 5041 B5
2228 C1 3153 C3 5100 C2
2229 A1 3155 C3 5101 A2
2230 C4 3156 B4 5102 B5
2233 B5 3157 A5 5103 A2
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2251 A3 3162 B4 5108 C2
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2255 A3 3166 C5 5152 B4
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2265 B5 3175 C5 6160 B2
2266 B4 3176 A1 6200 C4
2268 B4 3177 A1 6201 C3
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2270 B3 3198 C1 6250 A3
2271 B3 3199 C1 6251 A5
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2287 B3 3209 C4 7109 C1
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2291 C4 3211 C4 7111 B2
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2310 B5 3231 A1 7201 B1
2311 C3 3232 B1 7202 A1
2312 B3 3251 A3 7203 C5
3000 B1 3252 A3 7204 C2
3001 B1 3253 A3 7205 C2
3100 A3 3254 A3 7206 C2
3101 A3 3255 A3 7207 A2
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3104 A5 3261 A5 7211 C3
3106 B1 3262 B5 7212 C3
3107 B1 3263 A3 7213 C4
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3124 C2 3290 A3
3126 C2 3291 A3
3127 C3 3292 A3
3131 A2 3293 A3
3132 A2 3296 C3
3133 A2 3297 C3
3134 A2 3298 B4
3135 A2 3299 C4
3136 C3 3301 C3

H20 A5 2117 A2 2141 A5 2163 C3 2185 B2
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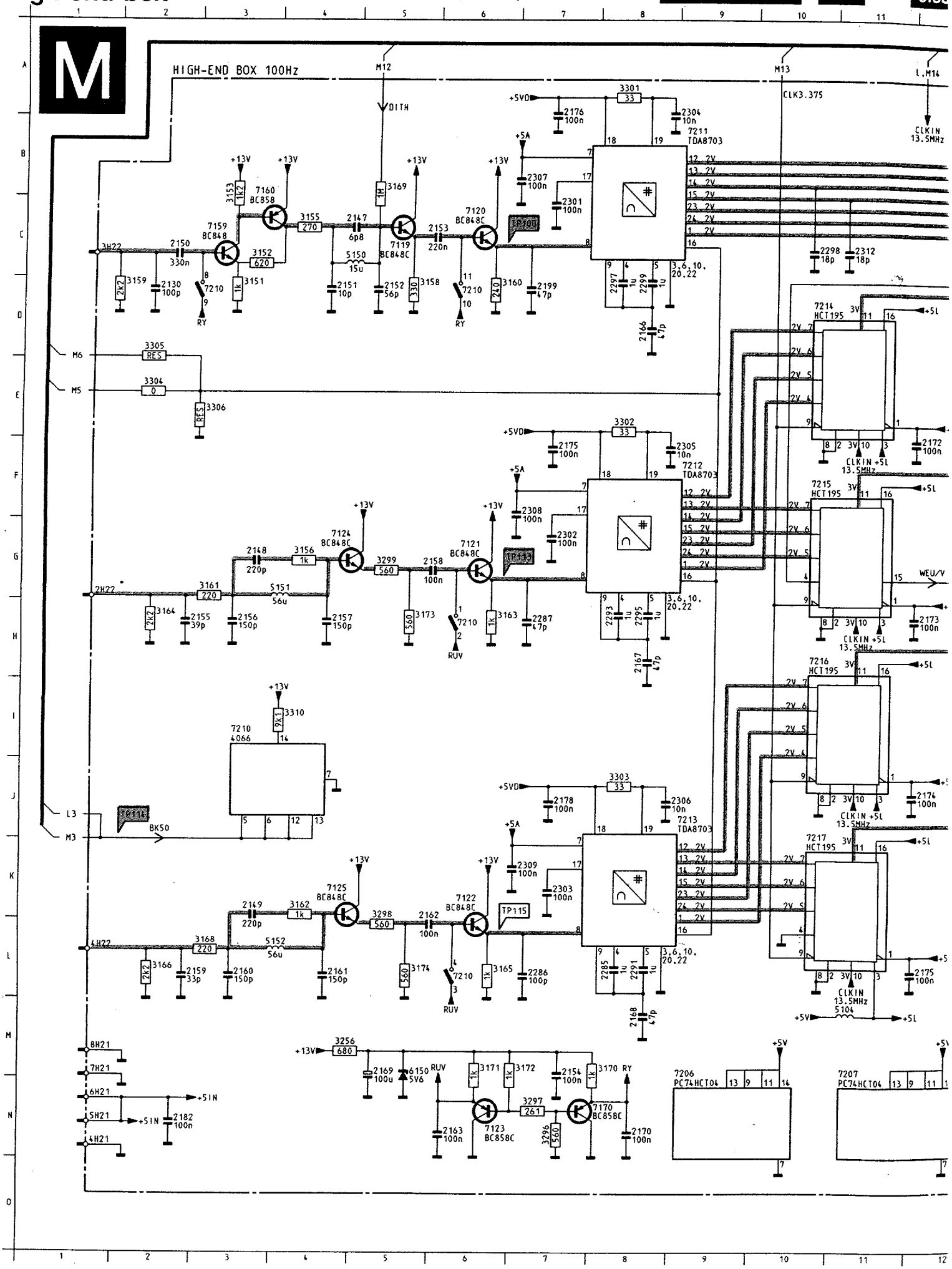
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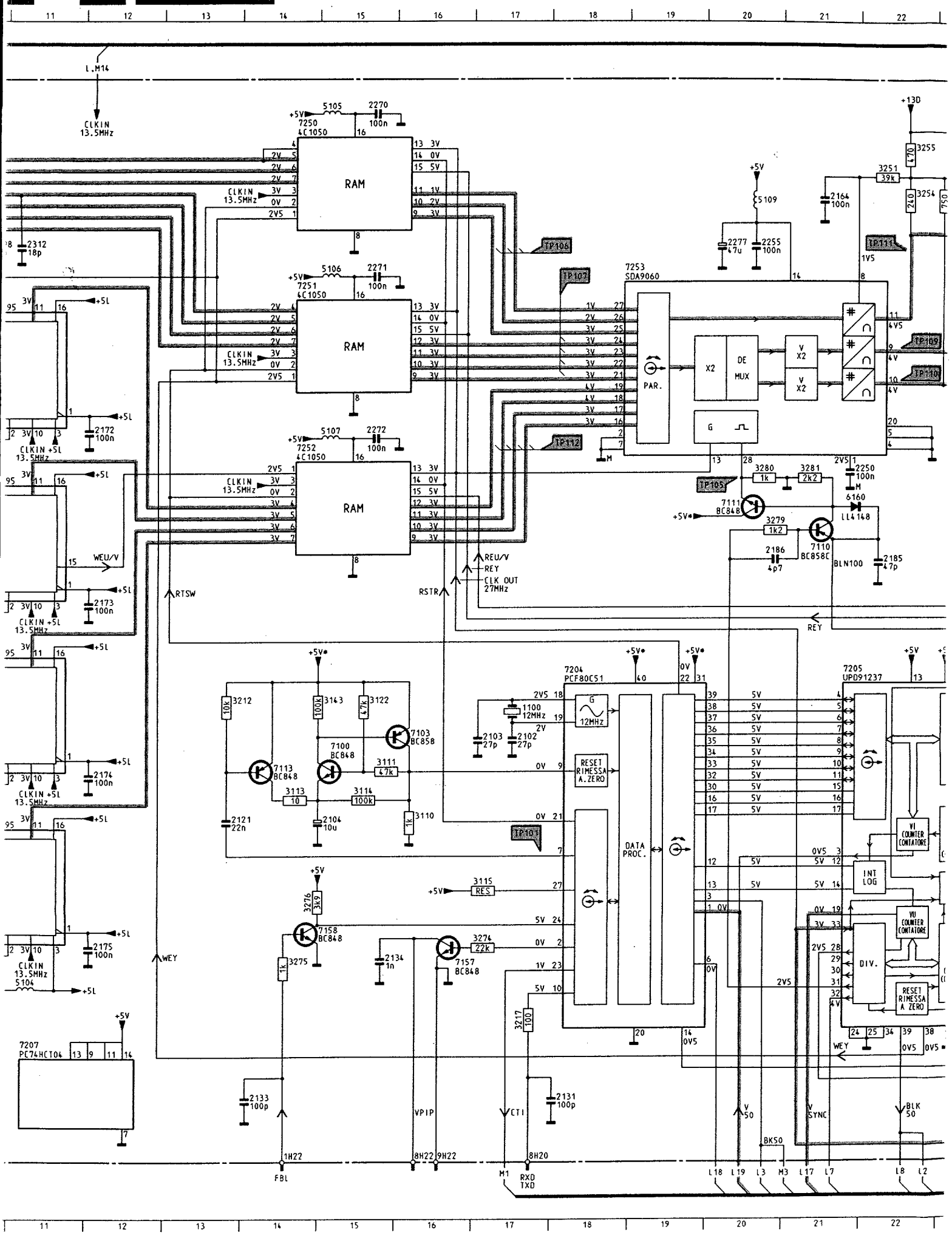
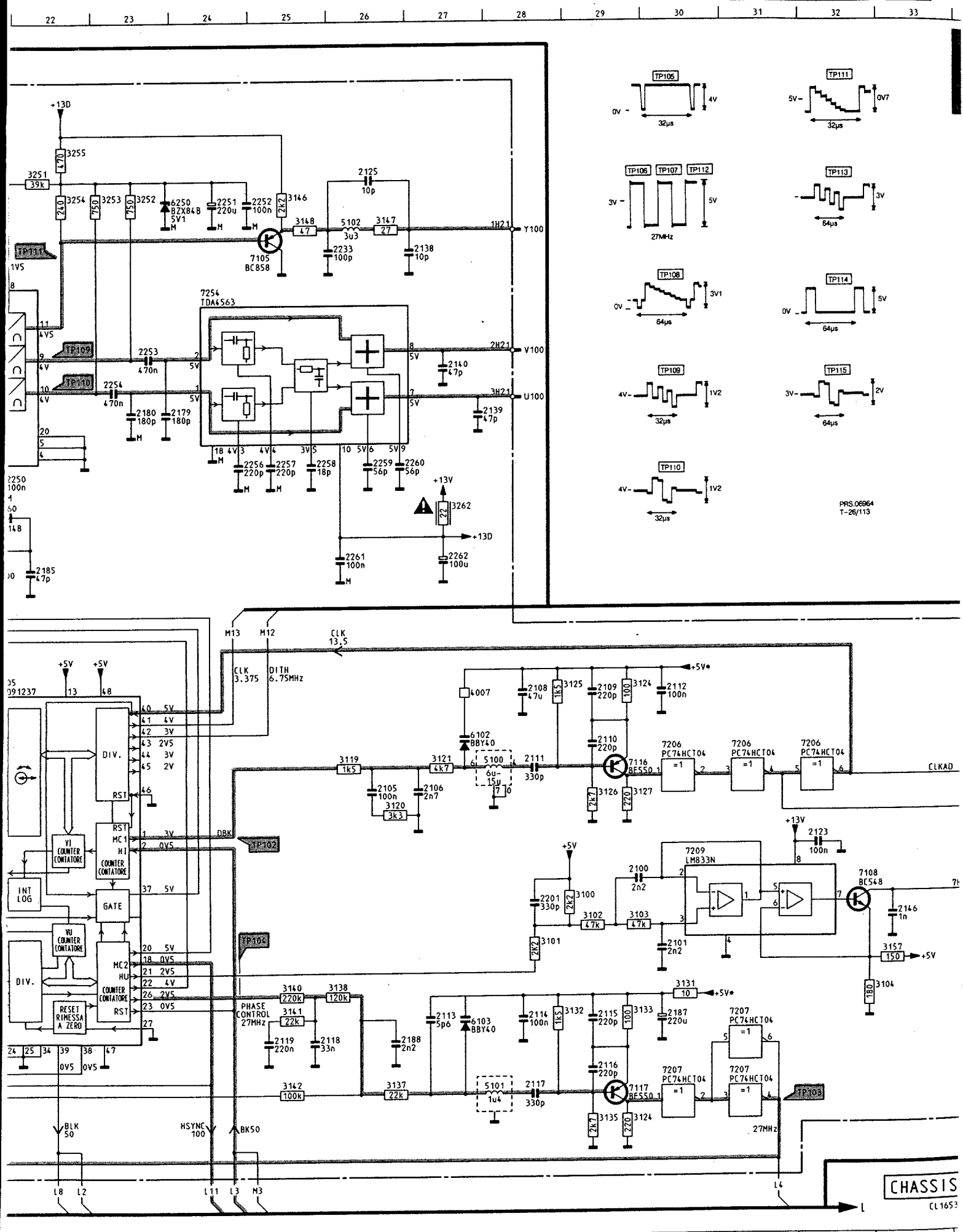
HIGH-END BOX 100Hz
M12
M13
L.M14
DITH
CLK3.375
CLKIN 13.5MHz
+5VD
+5A
+13V
+5L
+5V
+5IN
7211 TDA8703
7212 TDA8703
7213 TDA8703
7214 HCT195
7215 HCT195
7216 HCT195
7217 HCT195
7210 4066
7206 PC74HCT04
7207 PC74HCT04
7159 BC848
7160 BC858
7119 BC848C
7120 BC848C
7121 BC848C
7122 BC848C
7123 BC858C
7124 BC848C
7125 BC848C
7170 BC858C
TP108
TP113
TP114
TP115
BK50
RUV
RY
WEU/V
3,6,10, 20,22
M6
M5
M3
L3


L.M14
CLKIN 13.5MHz
RAM
7250 4C1050
7251 4C1050
7252 4C1050
5105
5106
5107
2270 100n
2271 100n
2272 100n
2312 18p
2172 100n
2173 100n
2174 100n
2175 100n
WEU/V
RTSW
RSTR
REU/V
REY
CLK OUT 27MHz
WEY
7253 SDA9060
PAR.
X2
DE MUX
V X2
G
7111 BC848
7110 BC858C
7100 BC848
7113 BC848
7103 BC858
7158 BC848
7157 BC848
7204 PCF80C51
7205 UPD91237
7207 PC74HCT04
12MHz
RESET RIMESSA A. ZERO
DATA PROC.
RES
INT LOG
VU COUNTER CONTATORE
DIV.
VPIP
CTI
FBL
V 50
V SYNC
BLK 50
BKS0
RXD
TXD
TP101
TP105
TP106
TP107
TP109
TP110
TP111
TP112


TP105
TP111
TP106 TP107 TP112
TP113
TP108
TP114
TP109
TP115
TP110
PRS.06964
T-26/113
+13D
7254
TDA4563
7105
BC858
Y100
V100
U100
+13V
CLK 13,5
CLK 3,375
DITH 6,75MHz
DIV.
RST
INT LOG
GATE
VI COUNTER CONTATORE
VU COUNTER CONTATORE
RESET RIMESSA A ZERO
COUNTER CONTATORE
PHASE CONTROL 27MHz
7116 BF550
7117 BF550
7206 PC74HCT04
7207 PC74HCT04
7209 LM833N
7108 BC548
CLKAD
DBK
BLK 50
HSYNC 100
BK50
27MHz
TP102
TP104
TP103
CHASSIS
CL1653

32 | 33 | 34

M

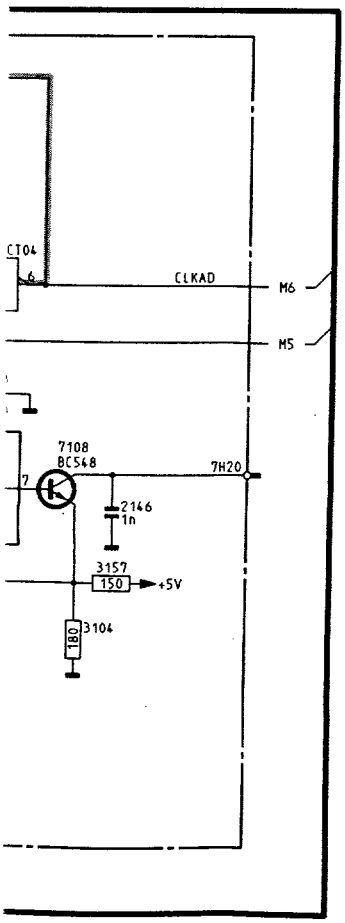
TP111 0V7 32µs

TP113 3V 64µs

TP114 5V 64µs

TP115 2V 64µs

PRS.06964
T-26/113



CHASSIS FL1.1

L

CL16532059/012.MREF
221091

32 | 33 | 34

	1100	I17	3115	K17	7207	M31
	2100	K29	3119	J26	7207	N31
	2101	L30	3120	J26	7209	K30
	2102	J17	3121	J27	7210	D 3
A	2103	J17	3122	I15	7210	D 6
	2104	K15	3124	I29	7210	H 6
	2105	J26	3124	N29	7210	L 6
	2106	J27	3125	I28	7210	I 3
	2108	I28	3126	J29	7211	B 9
	2109	I29	3127	J29	7212	F 9
	2110	I29	3131	M30	7213	J 9
	2111	J28	3132	M28	7214	D10
B	2112	I30	3133	M29	7215	F10
	2113	M27	3135	N29	7216	H10
	2114	M28	3137	N26	7217	K10
	2115	M29	3138	M26	7250	B14
	2116	N29	3140	M25	7251	D14
	2117	N28	3141	M25	7252	F14
	2118	M25	3142	N25	7253	D18
	2119	M25	3143	I15	7254	D24
C	2121	K13	3146	B25		
	2123	K32	3147	C26		
	2125	B26	3148	C25		
	2130	D 2	3151	D 3		
	2131	N18	3152	C 3		
	2133	N14	3153	B 3		
	2134	L15	3155	C 4		
D	2138	C27	3156	G 4		
	2139	E27	3157	L33		
	2140	E27	3158	D 5		
	2146	L33	3159	D 2		
	2147	C 4	3160	D 6		
	2148	G 3	3161	G 3		
	2149	K 3	3162	K 4		
	2150	C 2	3163	H 6		
E	2151	D 4	3164	H 2		
	2152	D 5	3165	L 6		
	2153	C 5	3166	L 2		
	2154	M 7	3168	L 3		
	2155	H 2	3169	B 5		
	2156	H 3	3170	M 8		
	2157	H 4	3171	M 6		
F	2158	G 5	3172	M 7		
	2159	L 2	3173	H 5		
	2160	L 3	3174	L 5		
	2161	L 4	3212	I13		
	2162	L 5	3217	M17		
	2164	C21	3251	B22		
	2166	D 8	3252	B23		
	2167	H 8	3253	B23		
G	2168	M 8	3254	B22		
	2169	M 5	3255	B22		
	2172	F12	3256	M 4		
	2173	H12	3262	F27		
	2174	J12	3274	L17		
	2175	L12	3275	L14		
	2175	F 7	3279	G20		
H	2176	B 7	3280	F20		
	2178	J 7	3281	F21		
	2179	E24	3296	N 7		
	2180	E23	3297	N 7		
	2182	N 2	3298	L 5		
	2182	N 8	3299	G 5		
	2182	N 6	3301	A 8		
	2185	G22	3302	E 8		
I	2186	G20	3303	J 8		
	2187	M30	3304	E 2		
	2188	M26	3305	D 2		
	2199	D 7	3306	E 3		
	2201	K28	3310	I 4		
	2233	C26	4007	I27		
	2250	F21	5100	J28		
J	2251	C24	5101	N28		
	2252	C25	5102	C26		
	2253	D23	5104	M11		
	2254	E23	5105	A15		
	2255	C20	5106	D15		
	2256	F24	5107	F15		
	2257	F25	5109	C20		
	2258	F25	5150	C 4		
K	2259	F26	5151	G 4		
	2260	F26	5152	L 4		
	2261	G26	6102	I27		
	2262	G27	6103	M27		
	2270	A15	6150	M 5		
	2271	D15	6160	F21		
	2272	F15	6250	C24		
L	2277	C20	7100	J15		
	2286	L 7	7103	I16		
	2287	H 7	7105	C25		
	2289	L 8	7108	K32		
	2291	L 8	7110	G21		
	2293	H 8	7111	G20		
	2295	H 8	7113	J14		
	2297	D 8	7116	J29		
M	2298	C10	7117	N29		
	2299	D 8	7119	C 5		
	2301	C 7	7120	C 6		
	2302	G 7	7121	G 6		
	2303	K 7	7122	K 6		
	2304	B 9	7123	N 6		
	2305	F 9	7124	G 4		
	2306	J 9	7125	K 4		
N	2307	B 7	7157	L16		
	2308	F 7	7158	L15		
	2309	K 7	7159	C 3		
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	3100	K29	7170	N 8		
	3101	L28	7204	I18		
	3102	L29	7205	I21		
	3103	L29	7206	M 9		
O	3104	M32	7206	J30		
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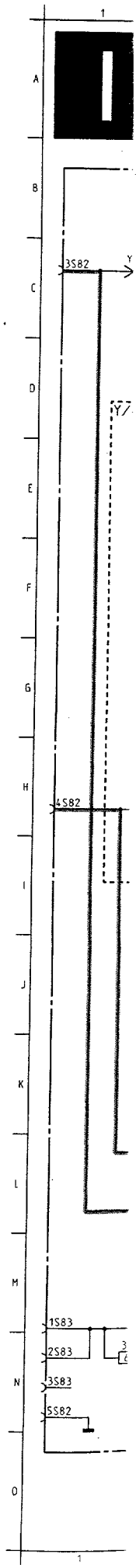
1
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
3S82
Y
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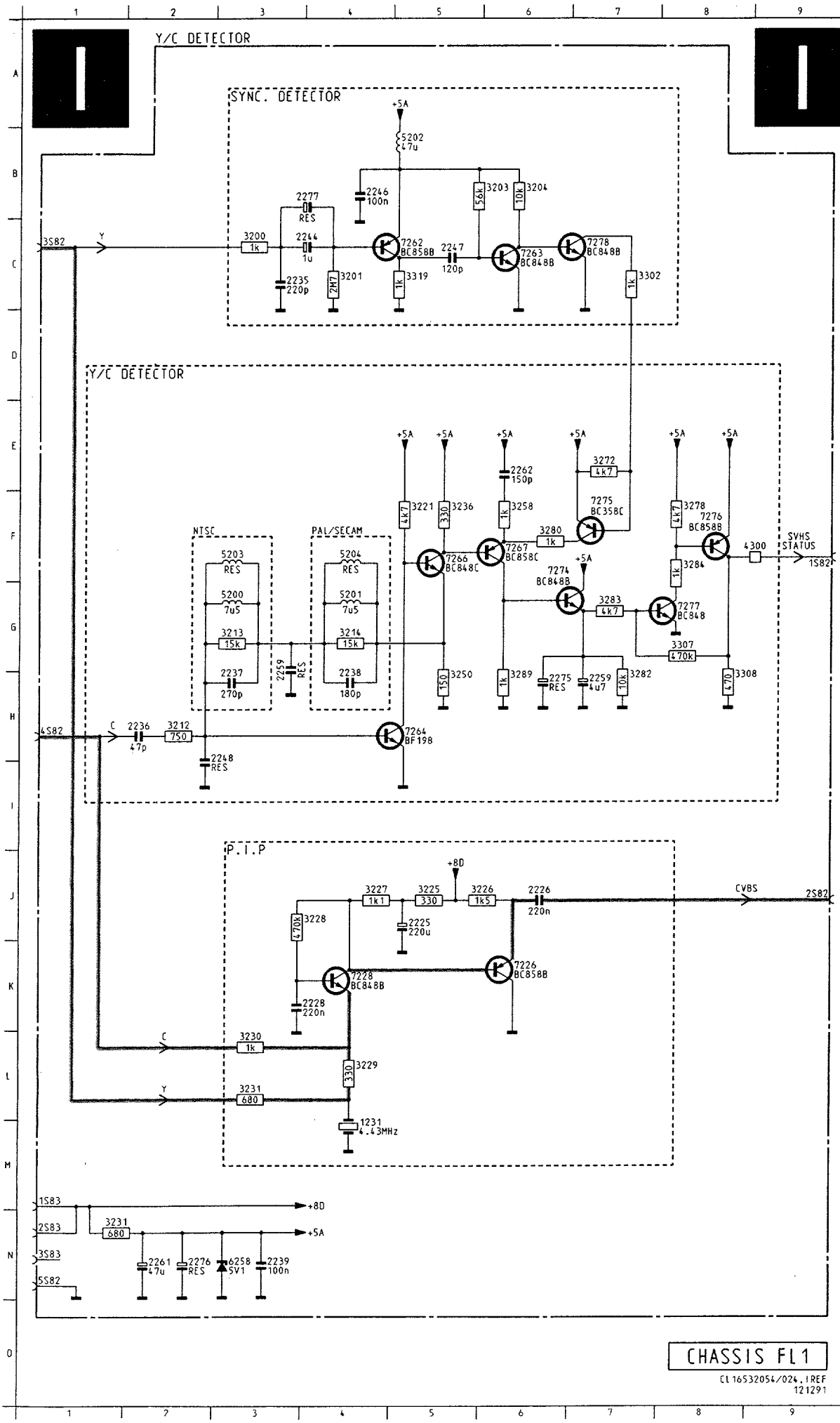
4S82
1S83
2S83
3S83
5S82



1231	M 4
2225	J 5
2226	J 6
2228	K 3
2235	C 3
2236	H 2
2237	H 3
2238	H 4
2239	N 3
2244	C 4
2246	B 4
2247	C 5
2248	I 2
2259	G 3
2259	H 7
2261	N 2
2262	E 6
2275	H 6
2276	N 2
2277	B 4
3200	C 3
3201	C 4
3203	B 5
3204	B 6
3212	H 2
3213	G 3
3214	G 4
3221	F 5
3225	J 5
3226	J 5
3227	J 4
3228	J 4
3229	L 4
3230	L 3
3231	L 3
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3272	E 7
3278	F 8
3280	F 6
3282	G 7
3283	G 7
3284	F 8
3289	G 6
3302	C 7
3307	G 8
3308	G 8
3319	C 5
4300	F 9
5200	G 3
5201	G 4
5202	B 5
5203	F 3
5204	F 4
6258	N 3
7226	K 6
7228	K 4
7262	C 5
7263	C 6
7264	H 5
7266	F 5
7267	F 6
7274	F 6
7275	F 7
7276	F 8
7277	G 8
7278	C 7

Y/C

31 M 4
25 J 5
26 J 6
28 K 3
35 C 3
36 H 2
37 H 3
38 H 4
39 N 3
44 C 4
46 B 4
47 C 5
48 I 2
59 G 3
59 H 7
61 N 2
62 E 6
75 H 6
76 N 2
77 B 4
00 C 3
01 C 4
03 B 5
04 B 6
12 H 2
13 G 3
14 G 4
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27 J 4
28 J 4
29 L 4
30 L 3
31 L 3
31 N 1
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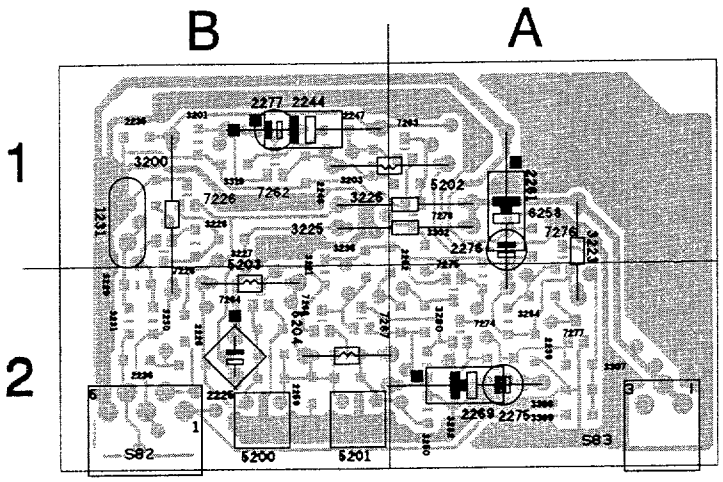
50 G 5
58 F 6
72 E 7
78 F 8
80 F 6
82 G 7
83 G 7
84 F 8
89 G 6
02 C 7
07 G 8
08 G 8
19 C 5
00 F 9
00 G 3
01 G 4
02 B 5
03 F 3
04 F 4
58 N 3
26 K 6
28 K 4
52 C 5
53 C 6
54 H 5
56 F 5
57 F 6
74 F 6
75 F 7
76 F 8
77 G 8
78 C 7

Y/C Detector panel
Y/C Detektor Platine
Platine du détecteur Y/C



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S83 A2	2244 B1	2277 B1	3223 A1	3258 B2	3308 A2	7226 B1	7277 A2
1231 B1	2246 B1	3190 A2	3225 A1	3272 A2	3319 B1	7228 B1	7278 A1
2225 B2	2247 B1	3200 B1	3226 A1	3278 A2	3991 A2	7262 B1	
2226 B2	2248 B2	3201 A1	3227 B1	3280 A2	4300 A2	7263 A1	
2228 B1	2259 B2	3203 B1	3228 B1	3282 A2	5200 B2	7264 B2	
2235 B1	2261 A1	3204 A1	3229 B2	3283 A2	5201 B2	7266 B2	
2236 B2	2262 B2	3212 B2	3230 B2	3284 A2	5202 B1	7267 B2	
2237 B2	2269 A2	3213 B2	3231 B2	3289 A2	5203 B2	7274 A2	
2238 B2	2275 A2	3214 B2	3236 B2	3302 A2	5204 B2	7275 A2	

Electrical adjustments

Setting conditions

* Unless stated otherwise, the supply voltage used is:
  220 - 240V ± 10%; 50 - 60Hz ± 5%
* Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
* Warming-up time ≈ 10 minutes
* For all measurements it is true that:
  probe Ri > 1MΩ; Ci < 10pF

1. Electrical settings on the large signal panel

1.1 +141V supply voltage
Supply the mains voltage; this must be isolated from the mains.
Connect a voltmeter over C2238.
Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.2) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing
This is set with the focus potentiometer (top one on the Line output transformer).

1.3 Vg2 setting
Supply an aerial signal.
Set the contrast to maximum and the brightness and saturation to nominal.
Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.1) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.
Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the Line output transformer) to 150V ± 2V.

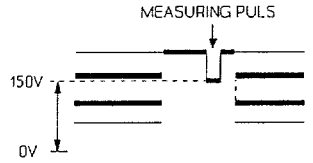

Fig. 7.1

1.4 Stable OSD
Short circuit pin 11 IC7401 to pin 13 IC7401
Short circuit pin 5 IC7755 to earth.
Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz ± 25 Hz with R3434.
Remove the short circuits.

1.5 Horizontal synchronisation
Connect point 5-IC7400 to point 9-IC7400.
Supply an aerial signal and set the receiver.
Adjust potentiometer R3406 until the picture is straight.
Break the through connection.

1.6 Horizontal centring
Set using potentiometer R3513.

1.7 Picture width
Set using potentiometer R3607.

1.8 Vertical centring
Set using potentiometer R3467.

1.9 Picture height
Set using potentiometer R3410.

1.10 East/West correction
Set using potentiometer R3602.

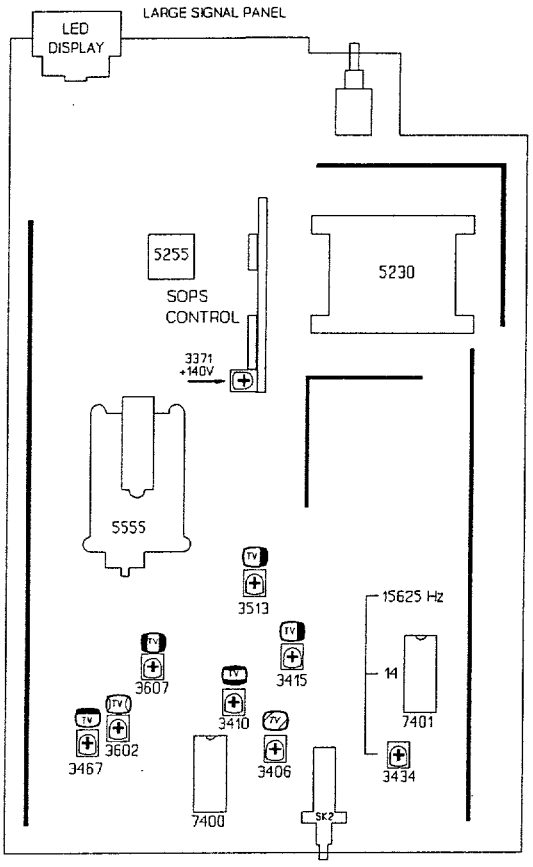

Fig. 7.2

2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation
Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).
Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.
Connect an oscilloscope to pin 3 of Euroconnector EXT1
Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4.43 MHz chroma suppression circuit
Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1.
Connect an oscilloscope to pin 9-IC7364.
Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365.
Set L5345 to maximum amplitude.
Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression
Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV$_{rms}$.
Connect point 26-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression
Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV$_{rms}$.
Connect point 28-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude.
Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.

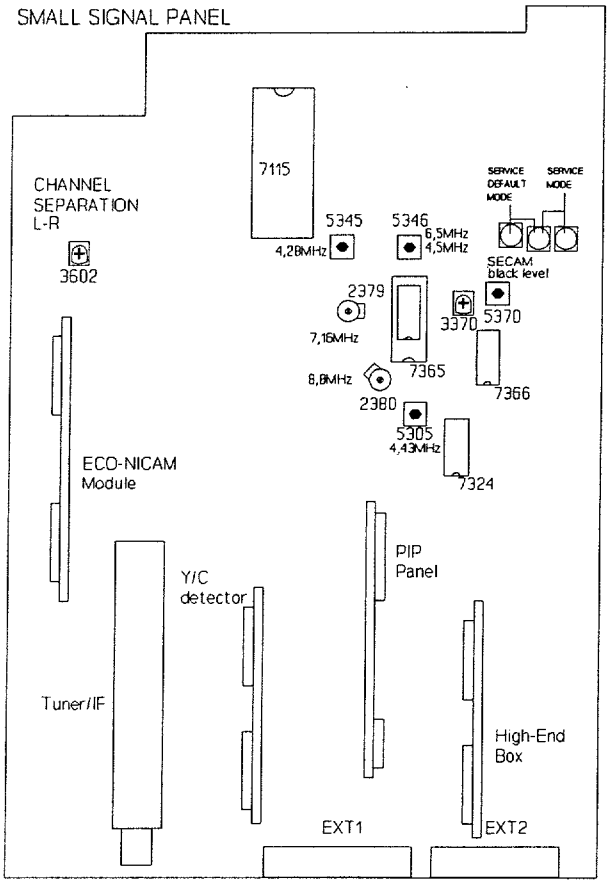

Fig. 7.3

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SERVICE MODE

-End

3. Electrical adjustments on the high-end box

3.1 Synchronisation
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight.
Remove the short circuit.

3.2 13.5 MHz oscillator
Measure the signals at point 1 of IC7205 and at point 5 Of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 µsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator
Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.

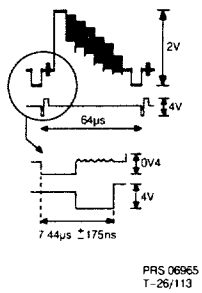

Fig. 7.4

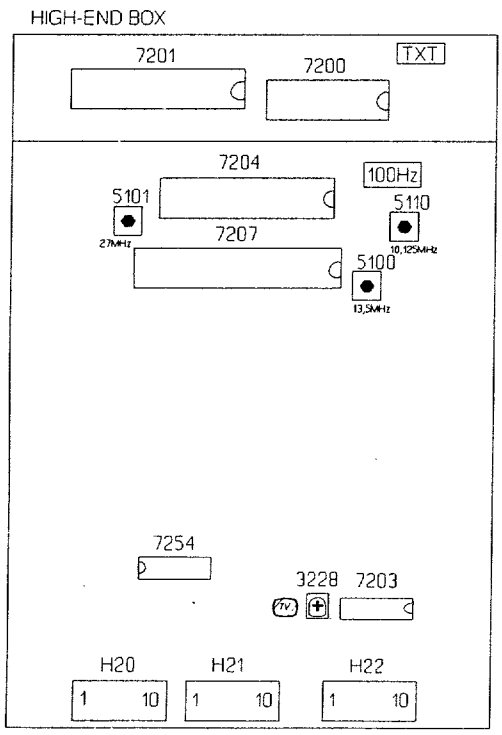

Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment
Connect a frequency counter via a probe (Ci ≤15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND).
Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

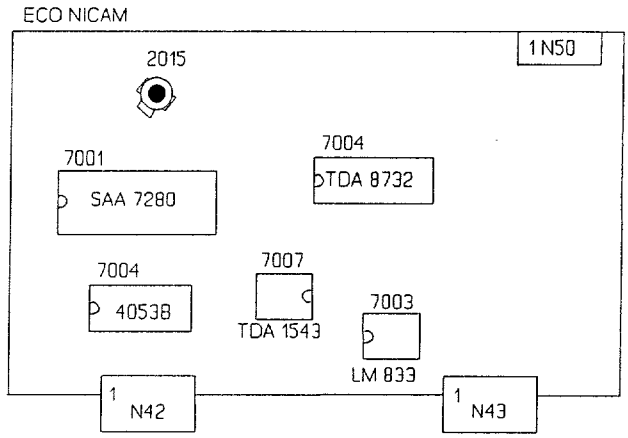

Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM
Inject a chroma signal of 4.418 MHz/200mV on pi 15 of EXT2 SCART (PL05).
Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC
As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

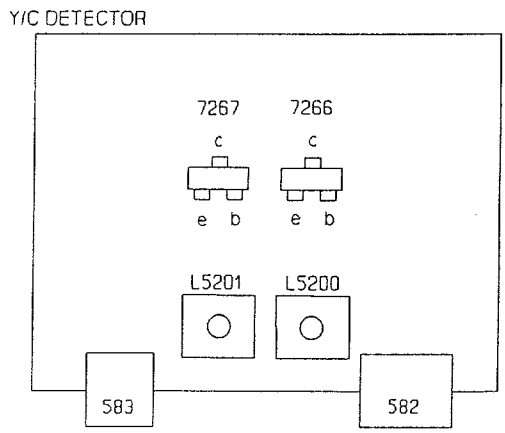

Fig. 7.7

6. Electrical settings on the PIP panel

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

6.1 Horizontal synchronisation
Supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125.
Connect pin 5-IC7755 to earth.
Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239.
Remove the short circuits.

6.2 AGC
If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

6.3a Setting for PIP modules with TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin 9-IC7126.
Set L5118 to maximum amplitude.

a-2 PAL chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

a-3 The delayline
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

6.3b Setting for PIP modules with TDA4554

b-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set L5118 to maximum amplitude.
Remove the interconnection.

b-2 PAL chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-3 NTSC chroma auxiliary oscillator
Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set C2212 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-4 The delay line
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

b-5 SECAM identification
Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

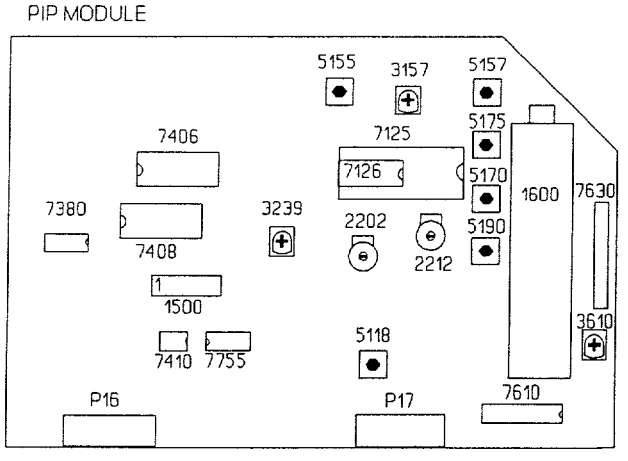

Fig. 7.8

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7. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).
In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.
When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

7.1 White balance

Connect a pattern generator and choose a white picture.
- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

7.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1
The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Function	*Number*
Front-end FQ618/ME/IF	2
A PIP module	8
	--- +
Optioncode 1 now becomes	10

Option code 2
The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Function	*Number*
IC7175 present on SSP	1
100 Hz high-end box	4
	--- +
Option code 2 now becomes	5

The option codes are set as follows:

- Select a: option 1 or b: option 2
- Using P +/- set the desired option number.
- Store the value chosen by pressing the **"PP store"** key on the local keyboard.

These option codes are software adaptations. If the set has to be equipped for these features, the necessary hardware has also to be fitted.

Optioncode 1	
Nbr.	**Function**
0	**Front end = FQ816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FQ844** Only reception of the UHF band is now possible.
2	**Front end = FQ816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FQ816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture In Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FQ816/ME/IF or FQ816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies.

Optioncode 2	
Nbr.	**Function**
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.1 AC sets).
4	**100 Hz High-end box fitted** This will always be the case.
32	**NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).

1. The Service Default Mode

The FL1.1 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

The definition of the fixed state in the service default mode is as follows:

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
  * PAL/SECAM BG for Multi Europe
  * PAL I for UK
  * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated.
To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):
<MENU>-<BLUE>-<RED>-<MENU + >-<MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.
Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.
When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs ⏻ 🔇 CO, code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

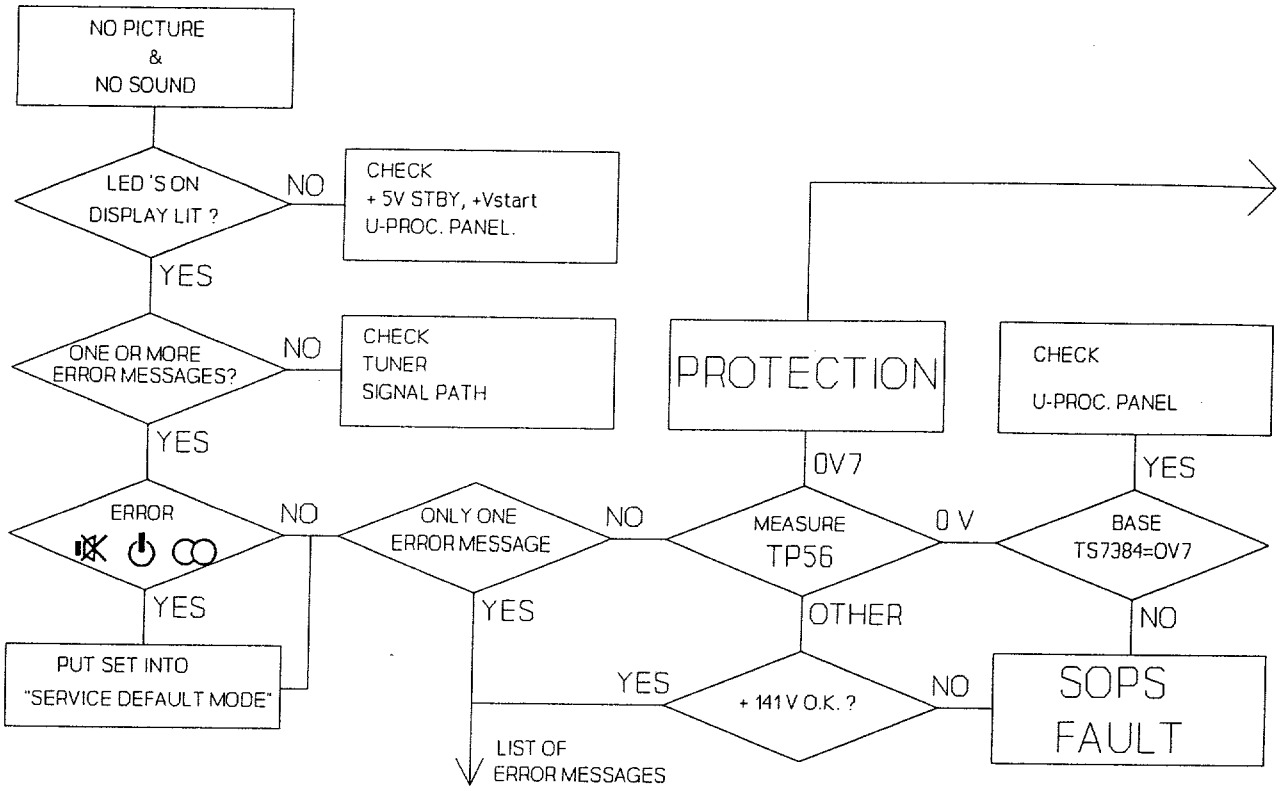
3. Replacement of EEPROM IC7137

If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.
All options have also to be set, the programs installed and the personal preference set.

List

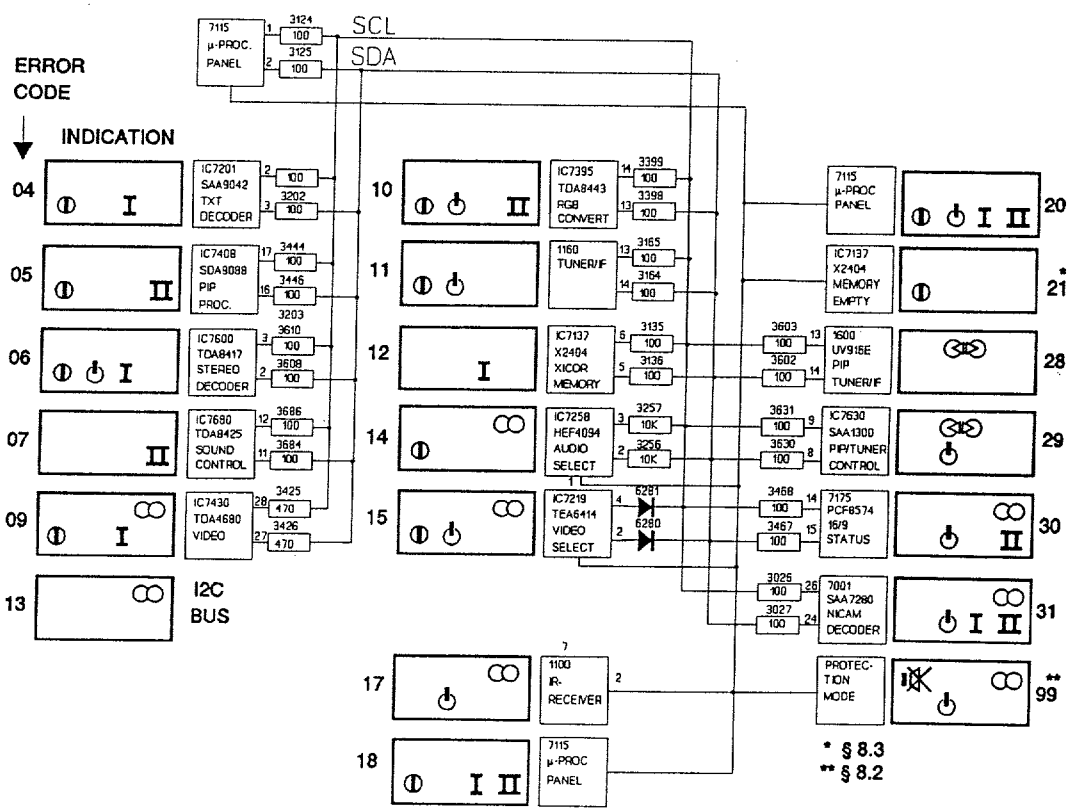
I²C

Faultfindingtree

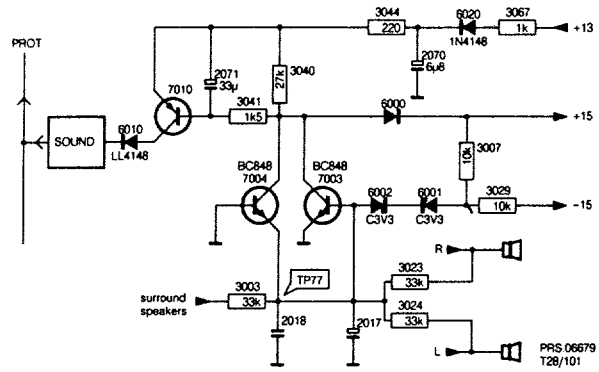


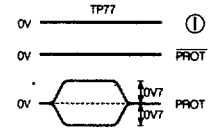
List of error messages

I²C Blockdiagram

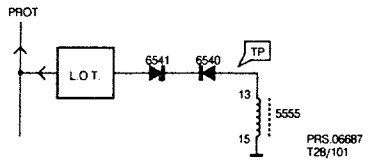


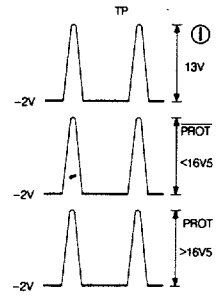
Protection

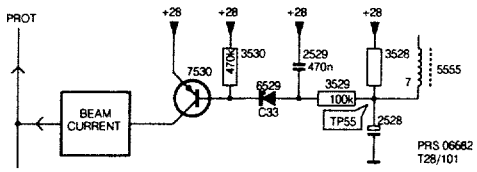


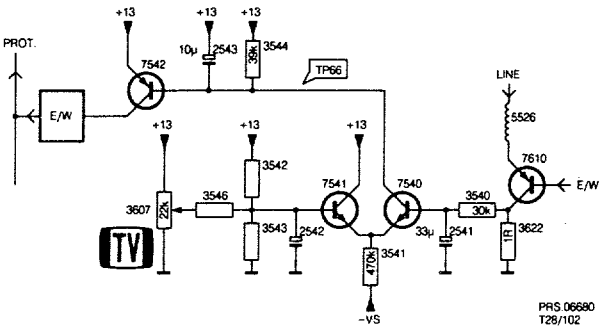


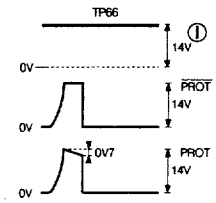
EHT

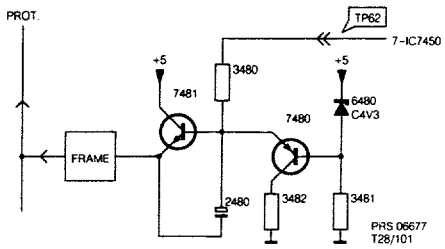


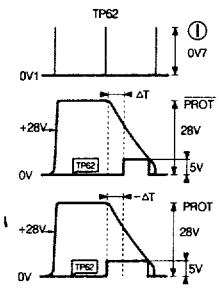












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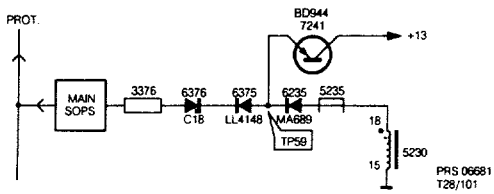

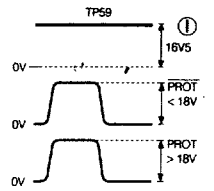

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4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.

b. Avoid using storage places that are sensitive to oxidation such as places with sulphur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.
The capacitance or resistance value of the SMDs may be affected by this.

c. Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

4.2 Removal of SMDs

a. Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) or:

b. While holding the SMD with a pair of tweezers, take it off gently using the soldering iron's heat applied to each terminal (see Fig. 8.1B).

c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.

b. When removing the chip, do not use undue force with the pair of tweezers.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. The chip, once removed, must **never** be reused.

4.3 Attachment of SMDs

a. Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).

b. Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

a. When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.

b. Keep the SMD's body in contact with the printed board when soldering.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. Soldering should not be done outside the solder land.

e. Soldering flux (of rosin) may be used, but should not be acidic.

f. After soldering, let the SMD cool down gradually at room temperature.

g. The quantity of solder must be proportional to the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 8.3).

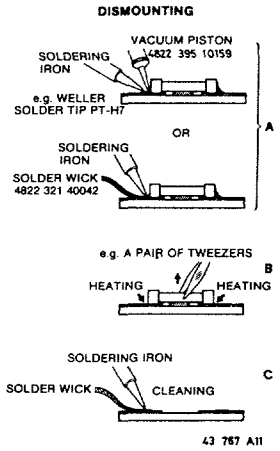


Fig. 8.1

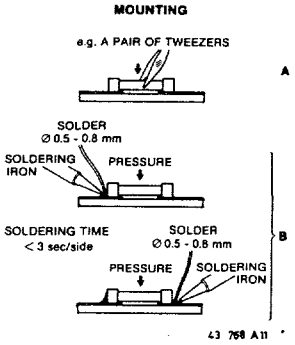


Fig. 8.2

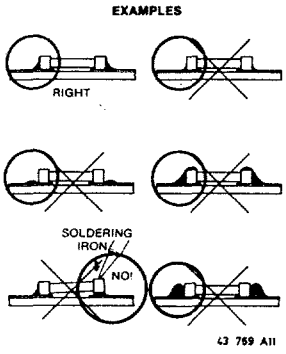
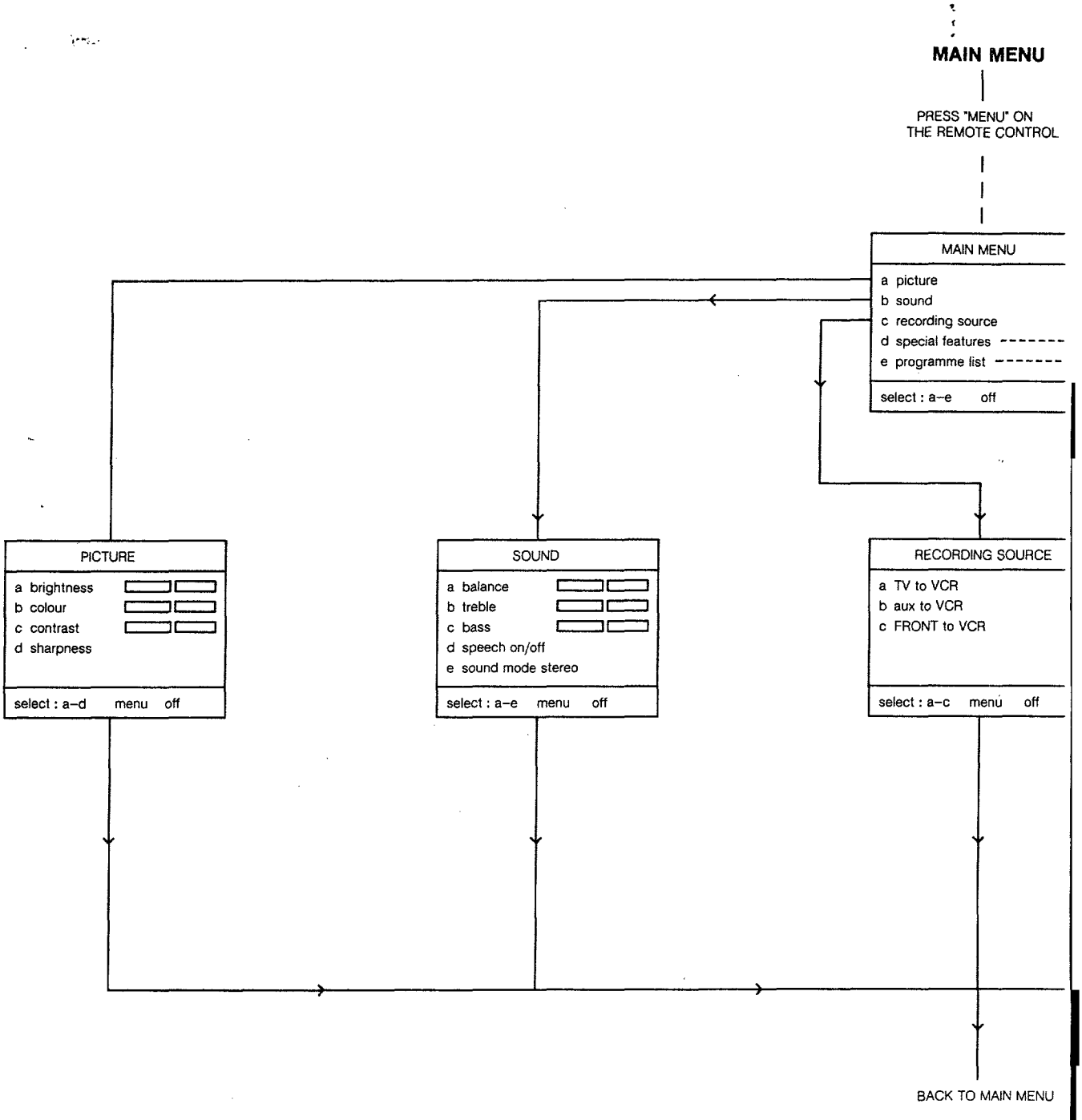
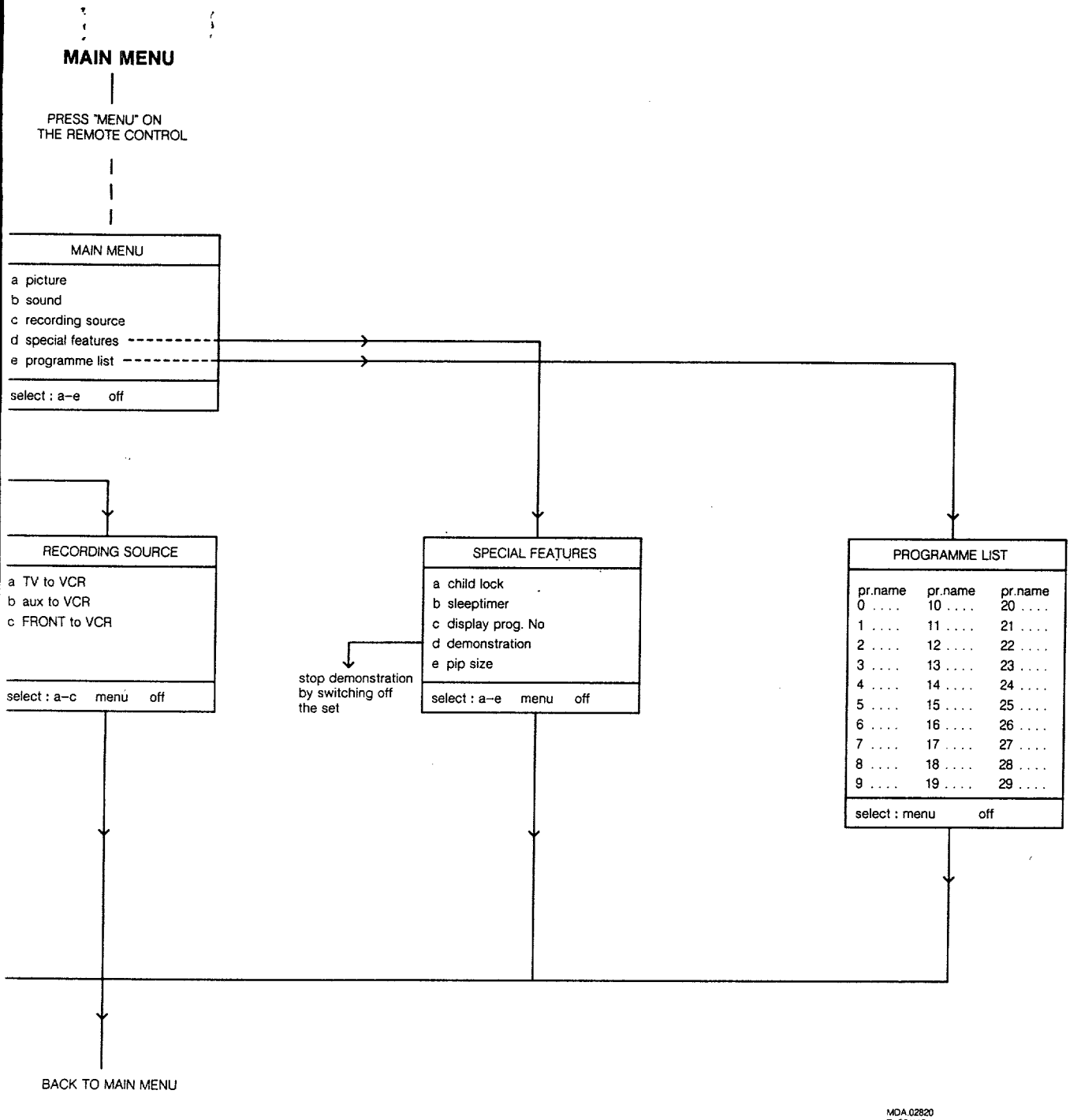


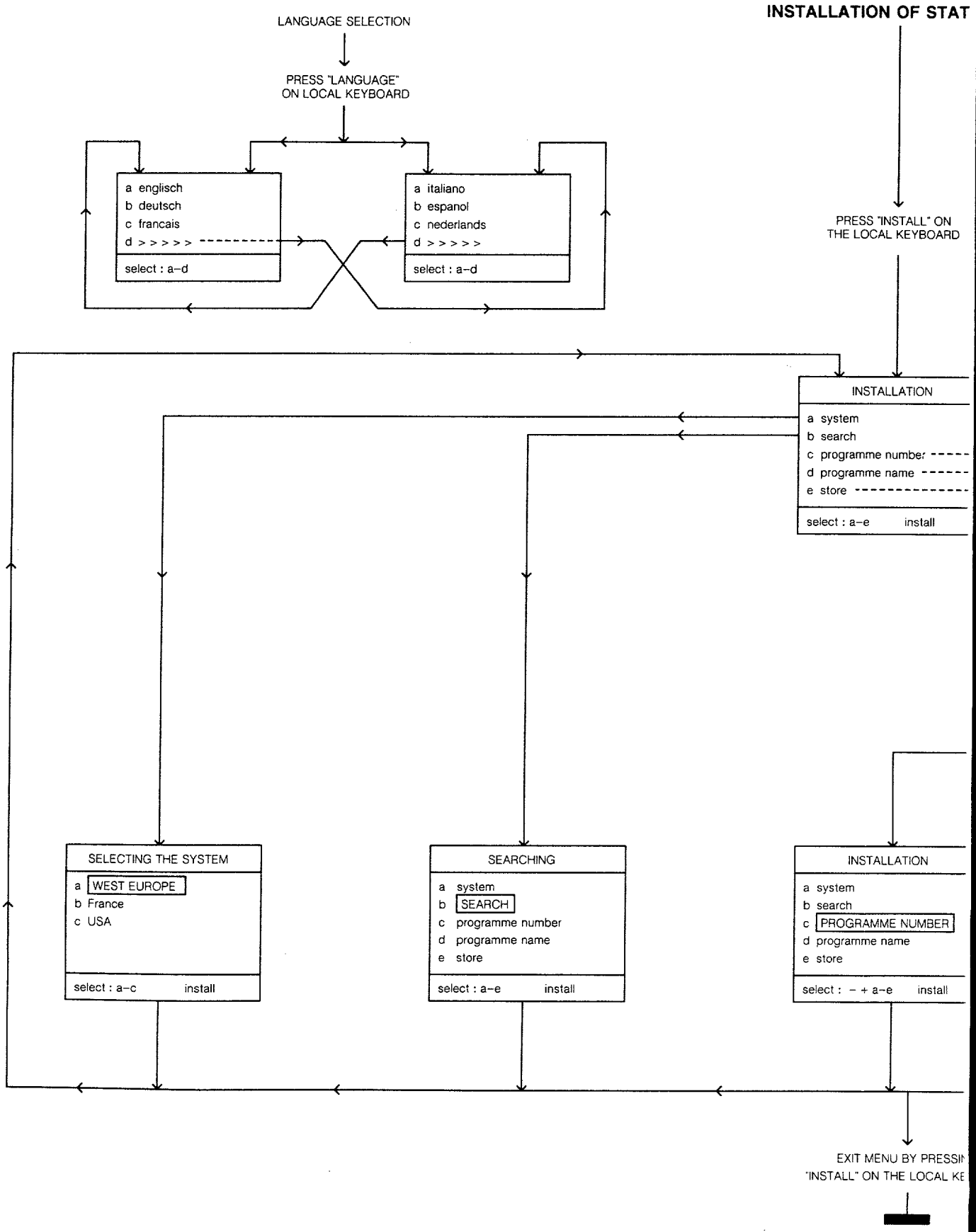
Fig. 8.3

Survey of menus FL1.1

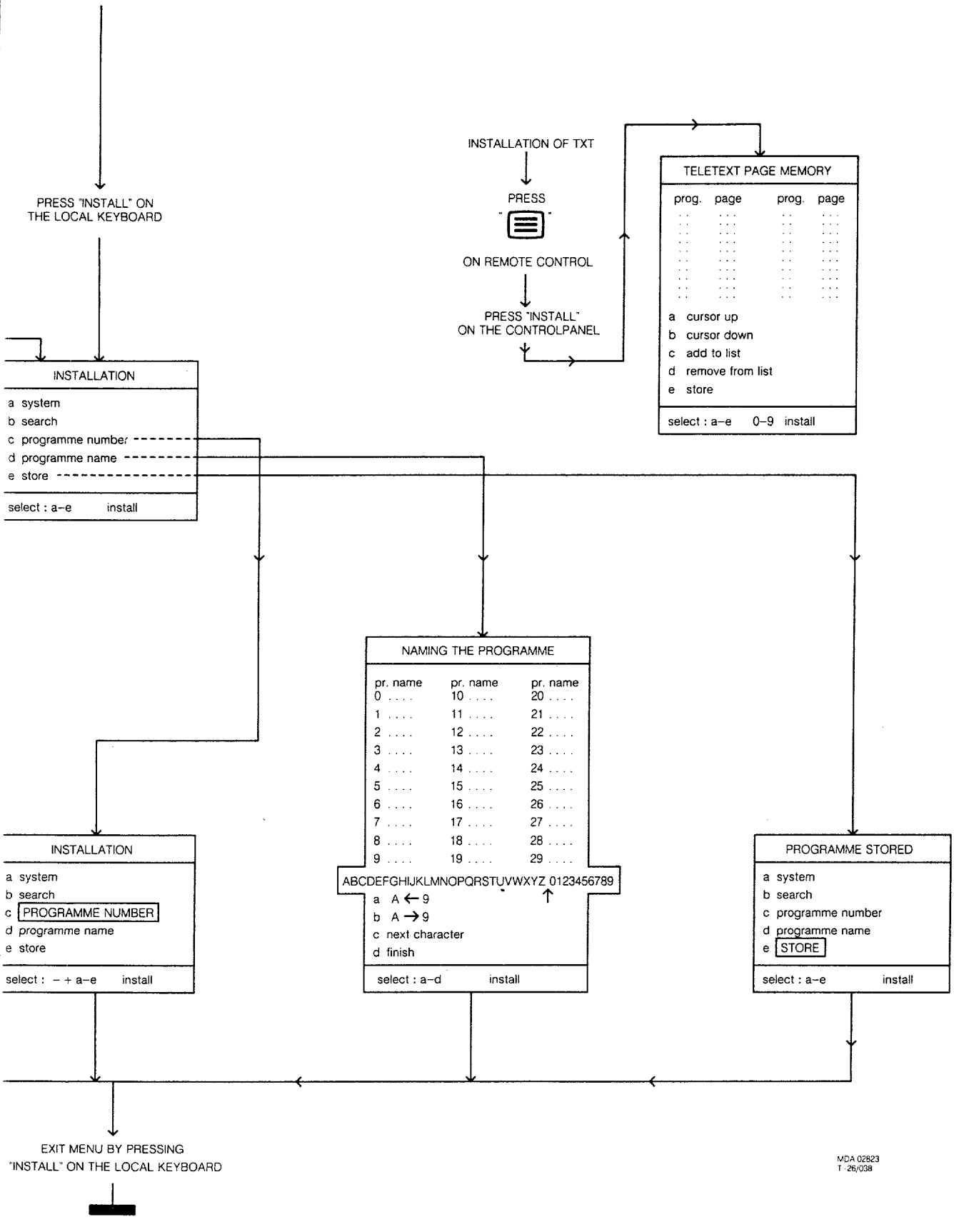



MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
SPECIAL FEATURES
a child lock
b sleeptimer
c display prog. No
d demonstration
e pip size
select : a–e menu off
stop demonstration by switching off the set
PROGRAMME LIST
pr.name pr.name pr.name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
select : menu off
BACK TO MAIN MENU
MOA.02820
T-26/112

Survey of menus FL1.1

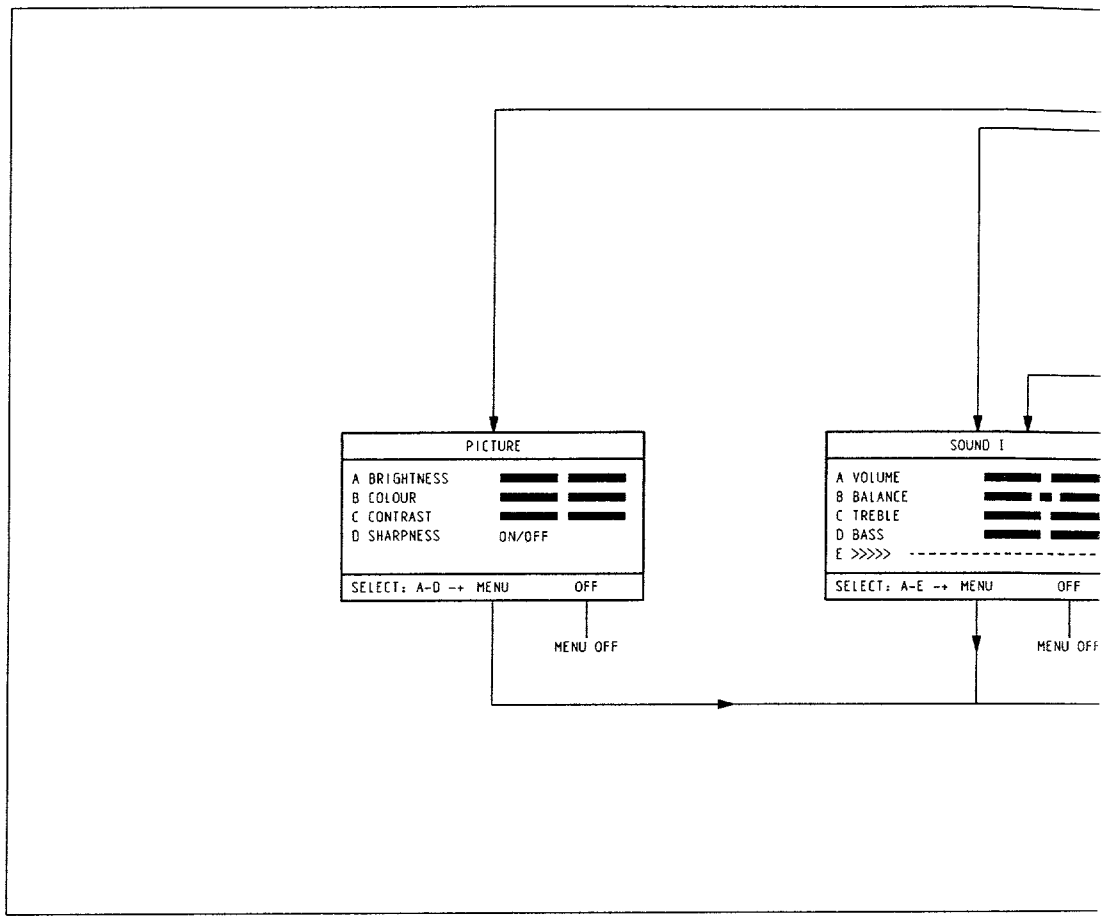


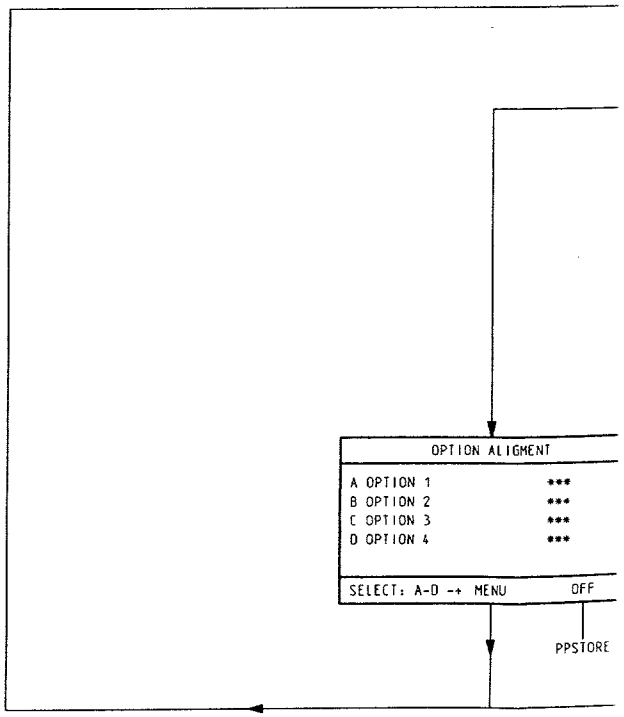
ALLATION OF STATIONS

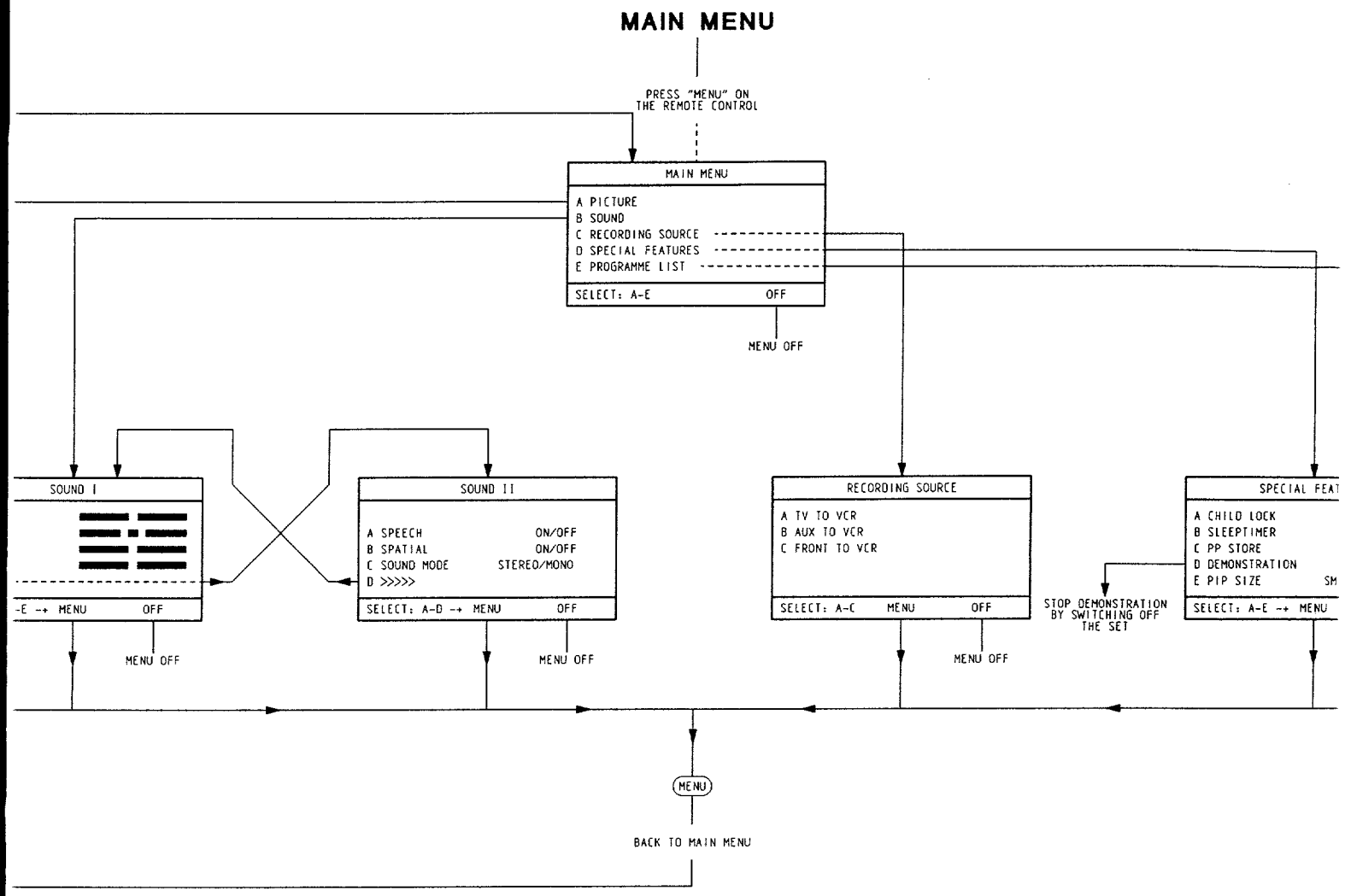


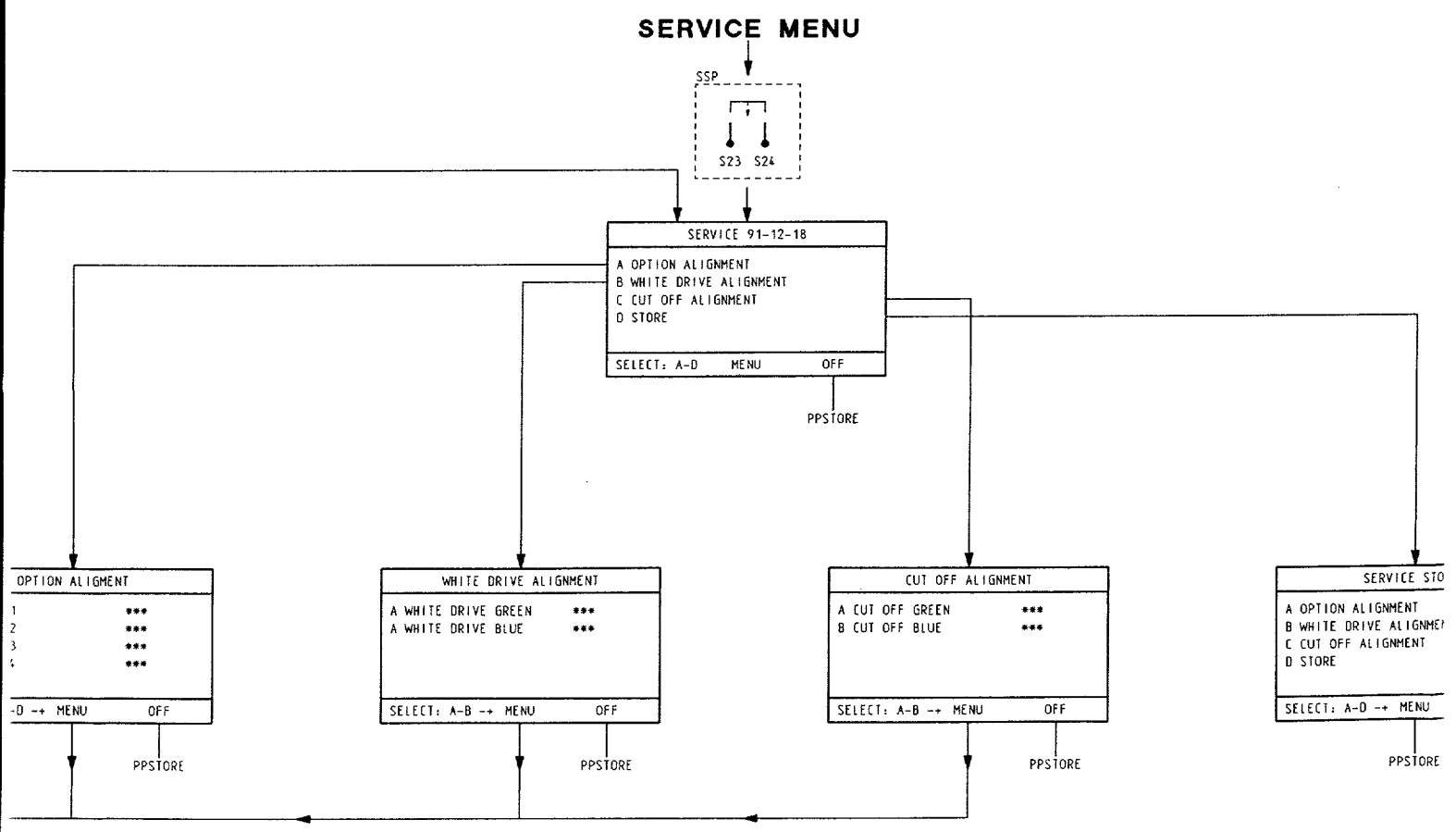
MDA 02823
T-26/038

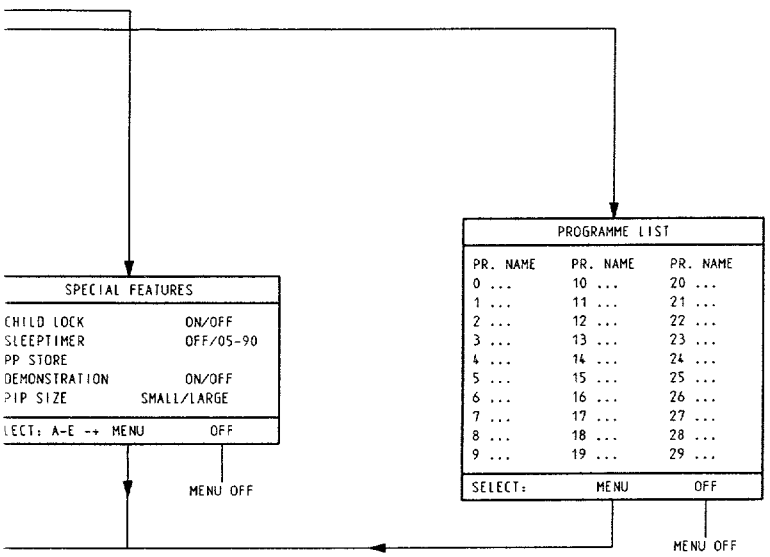
Survey of menus FL1.7

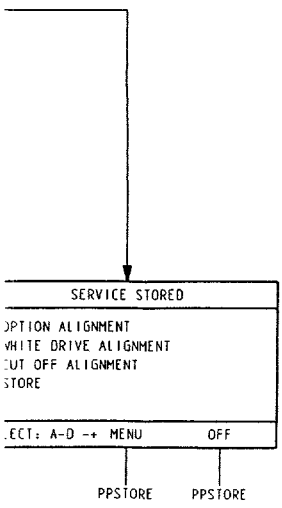




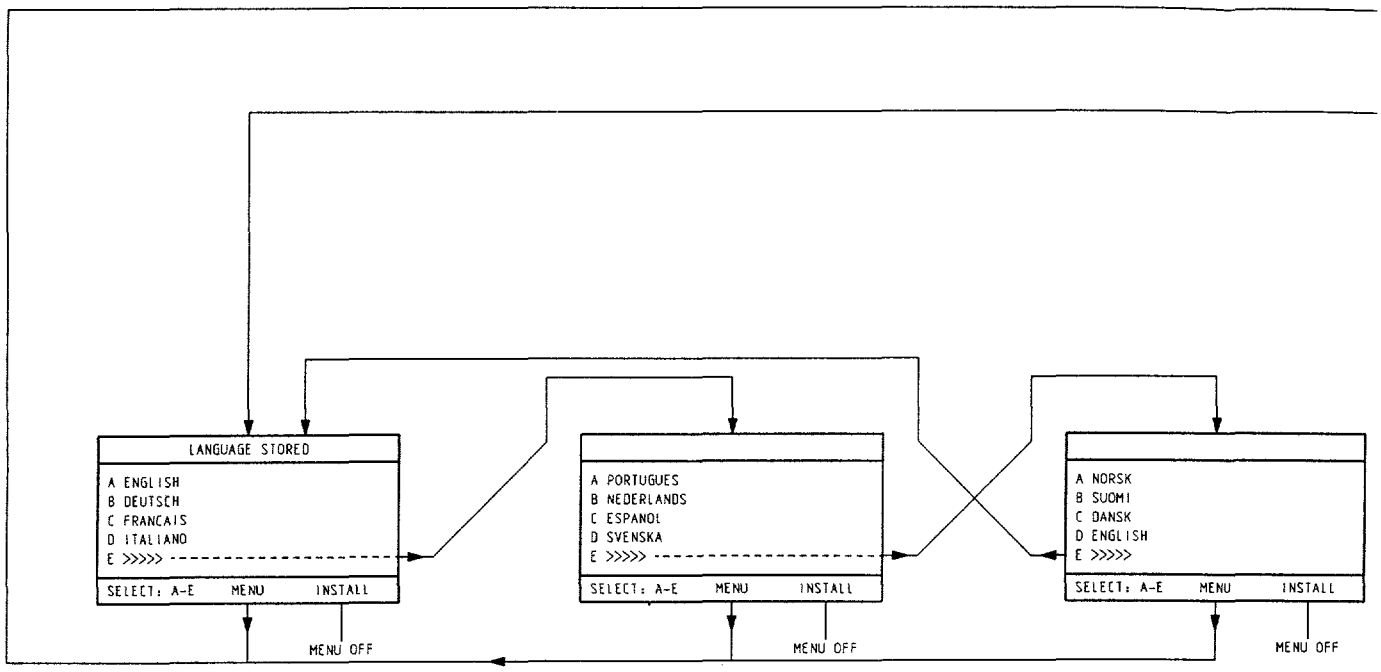

MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
A PICTURE
B SOUND
C RECORDING SOURCE
D SPECIAL FEATURES
E PROGRAMME LIST
SELECT: A-E
OFF
MENU OFF
SOUND I
-E -+ MENU
OFF
MENU OFF
SOUND II
A SPEECH ON/OFF
B SPATIAL ON/OFF
C SOUND MODE STEREO/MONO
D >>>>>
SELECT: A-D -+ MENU
OFF
MENU OFF
RECORDING SOURCE
A TV TO VCR
B AUX TO VCR
C FRONT TO VCR
SELECT: A-C MENU
OFF
MENU OFF
SPECIAL FEAT
A CHILD LOCK
B SLEEPTIMER
C PP STORE
D DEMONSTRATION
E PIP SIZE SM
SELECT: A-E -+ MENU
STOP DEMONSTRATION BY SWITCHING OFF THE SET
MENU
BACK TO MAIN MENU

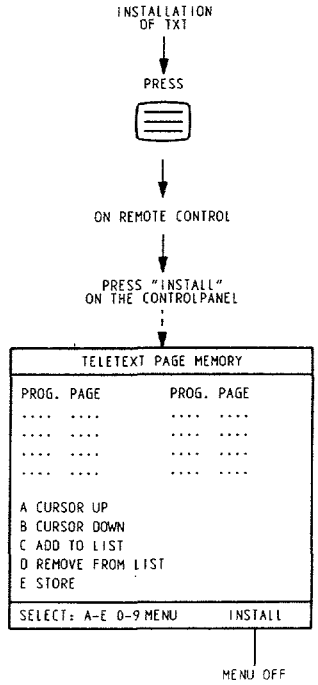

SERVICE MENU
SSP
S23 S24
SERVICE 91-12-18
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNMENT
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D MENU OFF
PPSTORE
OPTION ALIGMENT
1 ***
2 ***
3 ***
4 ***
-D -+ MENU
OFF
PPSTORE
WHITE DRIVE ALIGNMENT
A WHITE DRIVE GREEN ***
A WHITE DRIVE BLUE ***
SELECT: A-B -+ MENU
OFF
PPSTORE
CUT OFF ALIGNMENT
A CUT OFF GREEN ***
B CUT OFF BLUE ***
SELECT: A-B -+ MENU
OFF
PPSTORE
SERVICE STO
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNME
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D -+ MENU
PPSTORE


PROGRAMME LIST
PR. NAME PR. NAME PR. NAME
0 ... 10 ... 20 ...
1 ... 11 ... 21 ...
2 ... 12 ... 22 ...
3 ... 13 ... 23 ...
4 ... 14 ... 24 ...
5 ... 15 ... 25 ...
6 ... 16 ... 26 ...
7 ... 17 ... 27 ...
8 ... 18 ... 28 ...
9 ... 19 ... 29 ...
SELECT: MENU OFF
MENU OFF
SPECIAL FEATURES
CHILD LOCK ON/OFF
SLEEPTIMER OFF/05-90
PP STORE
DEMONSTRATION ON/OFF
PIP SIZE SMALL/LARGE
LECT: A-E -+ MENU OFF
MENU OFF

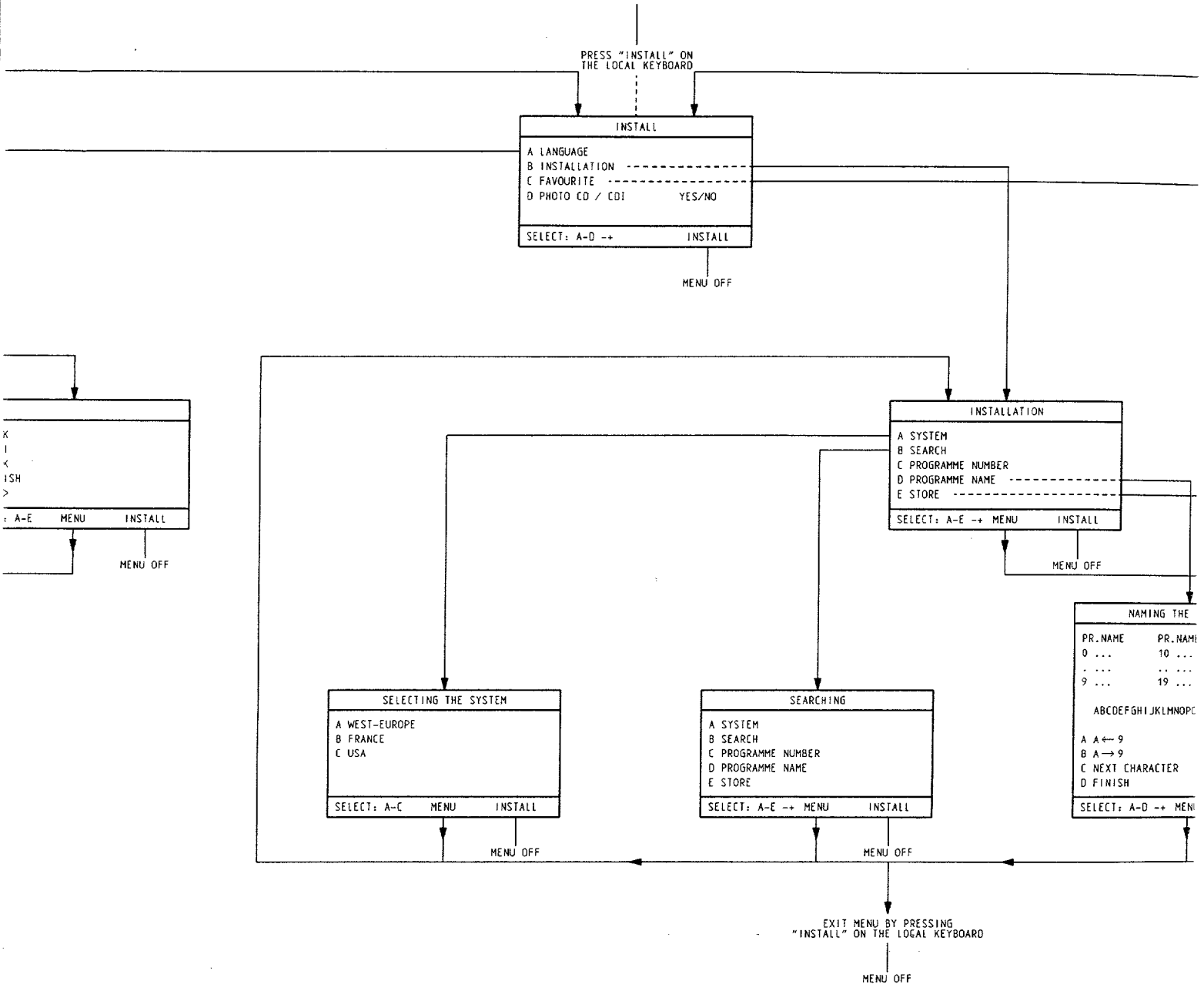

SERVICE STORED
)PTION ALIGNMENT
VHITE DRIVE ALIGNMENT
:UT OFF ALIGNMENT
STORE
.ECT: A-D -+ MENU OFF
PPSTORE
PPSTORE

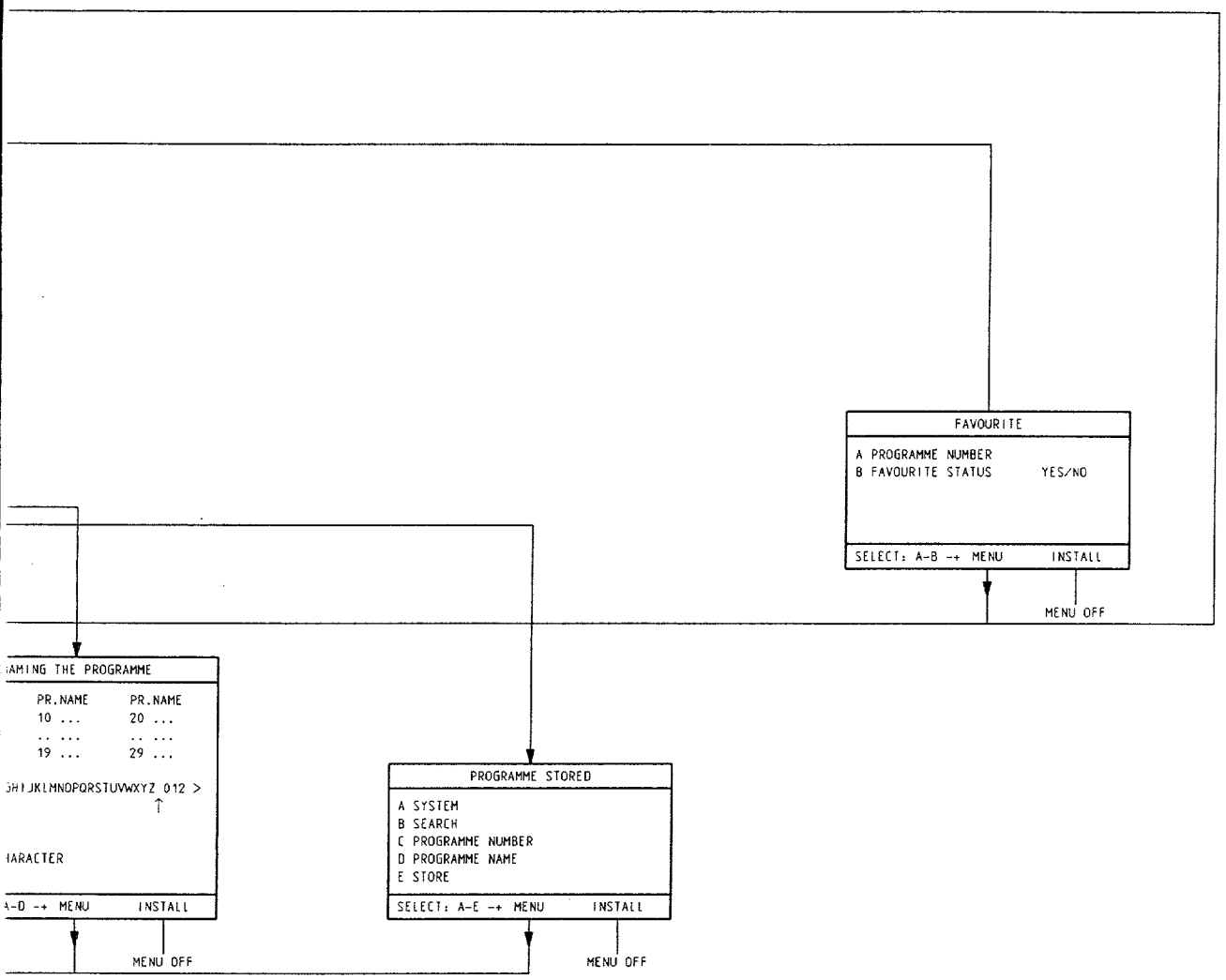
9.8 CHASSIS FL1.1 Survey of menus FL1.7





INSTALLATION OF STATIONS




FAVOURITE
A PROGRAMME NUMBER
B FAVOURITE STATUS YES/NO
SELECT: A-B -+ MENU INSTALL
MENU OFF
AMING THE PROGRAMME
PR.NAME PR.NAME
10 ... 20 ...
.. ..
19 ... 29 ...
JKLMNOPQRSTUVWXYZ 012 >
IARACTER
A-D -+ MENU INSTALL
MENU OFF
PROGRAMME STORED
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E -+ MENU INSTALL
MENU OFF

Large signal panel A B G

Connectors

4822 265 30525	2P male grey
4822 265 20541	2P male black
4822 265 40469	6P female gold
4822 265 40472	10P female gold
4822 290 40295	7P male
4822 265 40818	8P male
4822 267 40985	6P male
4822 264 40207	3P male
4822 265 30389	2P male
4822 265 40596	2P male
4822 265 20512	2P male green
4822 267 50591	6P male gold
4822 264 50149	10P male gold

Various parts

4822 255 40527	insulating plate
4822 492 70143	spring 10 X 33MM
4822 492 62076	spring fix transistor
4822 492 70788	spring fix IC
4822 492 70789	spring fix transistor
4822 276 12998	mains switch
4822 256 30274	fuse holder
4822 290 60812	socket for ext. loudspeakers
4822 267 20417	socket for squeeters
4822 276 13094	switch loudsp. ON/OFF
4822 320 11086	focus cable
4822 320 20162	EHT cable
4822 212 23749	SOPS CONTROL
4822 310 81919	SOPS repair kit
1010 4822 212 23892	NTSC ASSY
1200 4822 070 33152	fuse T3,15A
1250 4822 071 52501	fuse T0,25A

2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22µF 10% 50V
2016	4822 124 42109	22µF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V

2032	4822 122 31797	22nF 10% 63V
2033	4822 122 10166	22nF 30% 16V
2035	4822 122 31775	680pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2043	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42362	33µF 20% 16V
2051	4822 124 42362	33µF 20% 16V
2052	4822 124 42362	33µF 20% 16V
2053	4822 124 42362	33µF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 31773	560pF 5% 50V
2061	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33µF 20% 16V
2071	4822 124 42184	33µF 20% 25V
2072	4822 124 41584	100µF 20% 10V
2073	4822 124 21212	15µF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220µF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40738	330µF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40738	330µF 20% 25V
2235	4822 126 11157	470pF 10% 500V
2237	4822 122 33708	2,2nF 10% 1kV
2238	4822 124 22583	47µF 160V
2239	4822 124 40193	68µF 20% 16V
2240	4822 124 42183	1000µF 20% 63V
2254	4822 126 11496	120pF 5% 2kV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100µF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330µF 20% 16V
2270	4822 124 41584	100µF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31765	100pF 5% 50V
2303	4822 122 31808	150pF 10% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 51319	1µF 10% 63V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF ±0,5pF 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33µF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V

2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2µF 20% 50V
2403	5322 124 41431	22µF 20% 35V
2404	4822 124 41577	4,7µF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31211	100pF 10% 500V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330µF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1000pF 5% 50V
2452	4822 124 41716	220µF 20% 35V
2455	4822 122 31771	390pF 5% 50V
2456	4822 124 41334	470µF 20% 35V
2456	4822 124 41747	680µF 20%
2457	4822 124 42251	1,5µF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10µF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 11495	1nF 10% 2kV
2504	4822 126 11539	1,2nF 10% 2kV
2504	4822 126 11495	1nF 10% 2kV
2509	4822 122 31171	1,2nF 10% 500V
2511	4822 124 41739	47µF 20% 160V
2512	4822 124 40435	10µF 20% 50V
2513	4822 124 40435	10µF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7µF 30% 350V
2519	4822 124 41831	1µF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	5322 121 42523	8,2nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2529	4822 124 23491	0,47µF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 122 31177	470pF 10% 500V
2537	4822 124 40184	1000µF 20% 10V
2541	4822 124 42184	33µF 20% 25V
2542	4822 124 22466	1µF 20% 50V
2543	4822 124 23495	10µF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2551	4822 124 40195	150µF 20% 16V
2600	4822 124 41577	4,7µF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V
2605	4822 122 33498	2,7nF 10% 63V
2606	4822 122 33496	100nF 10% 63V
2609	4822 121 43396	120nF 5% 63V

Large signal panel A B G

2610	4822 124 41576	2,2µF 20% 50V
2611	4822 124 41576	2,2µF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2613	4822 122 31773	560pF 5% 50V

3000	4822 051 10912	9k1 2% 0,25W
3001	4822 051 10912	9k1 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10104	100k 2% 0,25W
3006	4822 051 10224	220k 2% 0,25W
3009	4822 051 10224	220k 2% 0,25W
3011	4822 051 10203	20k 2% 0,25W
3012	4822 051 10203	20k 2% 0,25W
3013	4822 116 52268	300k 5% 0,5W
3014	4822 116 52268	300k 5% 0,5W
3016	4822 052 10828	8Ω2 5% 0,33W
3021	4822 052 10828	8Ω2 5% 0,33W
3022	4822 052 10828	8Ω2 5% 0,33W
3025	4822 051 10333	33k 2% 0,25W
3027	4822 051 10103	10k 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 051 10123	12k 2% 0,25W
3030	4822 051 10123	12k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10102	1k 2% 0,25W
3033	4822 116 52244	15k 5% 0,5W
3034	4822 051 10472	4k7 2% 0,25W
3035	4822 051 10153	15k 2% 0,25W
3036	4822 051 10152	1k5 2% 0,25W
3037	4822 051 10152	1k5 2% 0,25W
3040	4822 051 10273	27k 2% 0,25W
3041	4822 051 10152	1k5 2% 0,25W
3043	4822 051 10203	20k 2% 0,25W
3044	4822 051 10221	220Ω 2% 0,25W
3049	4822 051 10102	1k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3051	4822 051 10203	20k 2% 0,25W
3052	4822 051 10472	4k7 2% 0,25W
3053	4822 051 10472	4k7 2% 0,25W
3054	4822 053 21475	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3065	4822 051 10183	18k 2% 0,25W
3066	4822 051 10183	18k 2% 0,25W
3067	4822 116 52296	6k8 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 116 52257	22k 5% 0,5W
3074	4822 051 10103	10k 2% 0,25W
3201	4822 053 21475	4M7 5% 0,5W
3202	4822 053 21475	4M7 5% 0,5W
3204	4822 116 40033	NTC/PTC
3204	4822 116 40215	PTC
3209	4822 113 80384	1Ω5 10% 7W
3210	4822 116 52239	120k 5% 0,5W
3211	4822 116 52239	120k 5% 0,5W
3212	4822 116 52234	100k 5% 0,5W
3213	4822 051 10823	82k 2% 0,25W
3215	4822 051 10472	4k7 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52234	100k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Ω2 10% 5W
3241	4822 113 80584	2Ω7 10% 5W
3242	4822 051 10122	1k2 2% 0,25W
3243	4822 116 52229	750Ω 5% 0,5W
3244	4822 116 52211	150Ω 5% 0,5W
3245	4822 116 52229	750Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Ω1 5% 0,25W
3271	4822 053 10399	39Ω 5% 1W
3272	4822 051 51201	120Ω 1% 0,125W
3273	4822 051 10472	4k7 2% 0,25W
3274	4822 051 10102	1k 2% 0,25W
3275	4822 116 52206	120Ω 5% 0,5W
3298	4822 051 10479	47Ω 2% 0,25W
3298	4822 051 10569	56Ω 2% 0,25W
3298	4822 051 10689	68Ω 2% 0,25W
3298	4822 051 10821	820Ω 2% 0,25W
3298	4822 051 10122	1k2 2% 0,25W
3298	4822 051 10182	1k8 2% 0,25W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 050 11109	11Ω 1% 0,4W
3310	4822 116 52184	18Ω 5% 0,5W
3311	4822 051 10471	470Ω 2% 0,25W
3312	4822 051 10101	100Ω 2% 0,25W
3313	4822 050 11109	11Ω 1% 0,4W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10132	1k3 2% 0,25W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 13302	3k3 1% 0,4W
3357	4822 050 27871	787Ω 1% 0,6W
3358	4822 116 52183	16Ω 5% 0,5W
3360	4822 051 10122	1k2 2% 0,25W
3362	4822 051 10151	150Ω 2% 0,25W
3364	4822 051 10471	470Ω 2% 0,25W
3365	4822 051 10221	220Ω 2% 0,25W
3366	4822 051 10221	220Ω 2% 0,25W
3368	4822 116 52226	560Ω 5% 0,5W
3369	4822 116 52226	560Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 100 11348	1k 30% LIN
3372	4822 051 10561	560Ω 2% 0,25W
3374	4822 116 52301	75k 5% 0,5W
3375	5322 111 90282	2k4 2% 0,25W
3376	4822 116 52175	100Ω 5% 0,5W
3378	4822 051 10101	100Ω 2% 0,25W
3380	4822 051 10152	1k5 2% 0,25W
3381	4822 051 10152	1k5 2% 0,25W
3382	4822 051 10103	10k 2% 0,25W
3383	4822 051 10103	10k 2% 0,25W
3387	4822 051 10223	22k 2% 0,25W
3402	4822 051 10562	5k6 2% 0,25W
3403	4822 051 10229	22Ω 2% 0,25W
3404	4822 051 10182	1k8 2% 0,25W
3405	4822 051 10333	33k 2% 0,25W
3406	4822 100 11483	10k 30% LIN
3407	4822 051 10561	560Ω 2% 0,25W
3408	4822 051 10563	56k 2% 0,25W
3409	4822 116 52272	330k 5% 0,5W
3410	5322 101 11013	330k 30% LIN
3411	4822 051 10104	100k 2% 0,25W
3411	4822 051 10913	91k 2% 0,25W
3413	4822 051 10101	100Ω 2% 0,25W
3414	4822 051 10154	150k 2% 0,25W
3415	4822 100 11392	47k 30% LIN
3417	4822 116 52256	2k2 5% 0,5W
3418	4822 051 10201	200Ω 2% 0,25W
3419	4822 052 10279	27Ω 5% 0,33W
3420	4822 050 23905	3M9 1% 0,6W
3421	4822 116 52243	1k5 5% 0,5W
3422	4822 116 81223	1M2 5% 0,5W
3422	4822 116 81783	1M5 5% 0,5W
3424	4822 051 10221	220Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 116 52271	33k 5% 0,5W
3429	4822 116 52269	3k3 5% 0,5W
3430	4822 051 10471	470Ω 2% 0,25W
3437	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 116 52247	16k 5% 0,5W
3441	4822 051 10622	6k2 2% 0,25W
3442	4822 051 10332	3k3 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3446	4822 116 52264	27k 5% 0,5W
3450	4822 051 10432	4k3 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10124	120k 2% 0,25W
3456	4822 051 10134	130k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 80676	1Ω5 5% 0,2W
3459	4822 116 80676	1Ω5 5% 0,2W
3460	4822 053 10271	270Ω 5% 1W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	4822 116 80176	1Ω 5% 0,5W
3465	4822 051 10681	680Ω 2% 0,25W
3466	4822 116 52243	1k5 5% 0,5W
3466	4822 116 52263	2k7 5% 0,5W
3466	4822 116 52279	4k3 5% 0,5W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12221	220Ω 5% 3W
3469	4822 050 11002	1k 1% 0,4W
3469	4822 116 52263	2k7 5% 0,5W
3469	4822 116 52279	4k3 5% 0,5W
3473	4822 116 52253	2k 5% 0,5W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3483	4822 051 10563	56k 2% 0,25W
3484	4822 051 10223	22k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W

Large signal panel A B G

3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52271	33k 5% 0,5W
3502	4822 116 52299	7k5 5% 0,5W
3503	4822 116 52299	7k5 5% 0,5W
3504	4822 053 11108	1Ω 5% 2W
3505	4822 116 52191	33Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 053 12331	330Ω 5% 3W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 20166	10k 30% LIN
3514	4822 116 52186	22Ω 5% 0,5W
3515	4822 116 81191	6Ω8 5% 0,3W
3516	4822 116 81191	6Ω8 5% 0,3W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 10338	3Ω3 5% 0,33W
3521	4822 052 10338	3Ω3 5% 0,33W
3524	4822 116 81753	4Ω7 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52211	150Ω 5% 0,5W
3533	4822 116 52211	150Ω 5% 0,5W
3534	4822 052 11278	2Ω7 5% 0,5W
3535	4822 052 11278	2Ω7 5% 0,5W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 116 52186	22Ω 5% 0,5W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10518	5Ω1 5% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 116 52209	1k3 5% 0,5W
3551	4822 051 10569	56Ω 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10103	10k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10124	120k 2% 0,25W
3604	4822 051 10154	150k 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 051 10152	1k5 2% 0,25W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W
3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10104	100k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52265	270k 5% 0,5W
3626	4822 116 52242	130k 5% 0,5W
3626	4822 116 52258	220k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W

Jumpers

9039	4822 051 10333	33K 2% 0,25W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10272	2k7 2% 0,25W
4508	4822 051 10102	1k 2% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4541	4822 051 10008	0Ω 5% 0,25W
4552	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W

5202	4822 212 23611	transf. assy CU20D3
5205	4822 212 23611	transf. assy CU20D3
5230	4822 148 81167	SOPS transf.
5230	4822 148 81192	SOPS transf. 33"
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63249	33µH 10%
5255	4822 148 81225	µSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead
5308	4822 157 62826	270µH 10%
5308	4822 157 63302	150µH 10% 33"
5310	4822 157 63251	3,9µH 10%
5310	4822 157 63301	1µH 15% 33"
5381	4822 157 52265	100µH 10%
5503	4822 157 63252	line driver
5511	4822 157 52407	39µH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63254	LINEARITY
5521	4822 157 63255	COIL
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	EAST-WEST
5534	5322 157 52539	15µH 7,5%
5543	4822 158 10549	12µH 7,5%
5555	4822 140 10424	L.O.T.

6000	4822 130 80446	LL4148
6001	4822 130 80446	BAS32L
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J
6221	4822 130 33887	GP15J
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 81104	MA689
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 82347	LLZ-F6V8
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 42488	BYD33D
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6
6280	4822 130 30621	1N4148
6302	4822 130 80446	LL4148
6303	4822 130 80446	LL4148
6304	4822 130 80446	LL4148
6306	5322 130 31504	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6318	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	BZV55-C5V6
6331	4822 130 30621	1N4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 30621	1N4148
6352	4822 130 80446	LL4148
6353	4822 130 80446	LL4148
6355	4822 130 80446	LL4148
6356	4822 130 80886	LLZ-F22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148

Large

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Large signal panel A B G

6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	4822 130 80446	LL4148

7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7216	4822 130 62735	BUT12AF
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A

7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

Small signal panel C D F H

Connectors

	4822 265 40252	7P male
	4822 265 40253	8P
	4822 265 41113	7P
	4822 265 41114	9P
	4822 265 41086	9P male
	4822 265 41082	10P
	4822 290 40295	7P male
	4822 267 40648	5P male gold
	4822 264 50149	10P male gold
	4822 264 40207	3P male
	4822 264 50149	10P male gold
	4822 265 40442	10P male
	4822 264 40207	3P male red
	4822 265 20509	2P male
	4822 265 30828	5P male brown
	4822 265 30899	5P male black
	4822 267 40648	5P male gold
	4822 265 30437	3P male

Various parts

	4822 267 20427	socket SCART+4xcinch
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xcinch+2xSVHS
	4822 267 41004	socket HEADPH. +cinch+SVHS
	4822 218 21075	keyboard
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10416	FQ816MF/IF
1160	4822 210 10412	FQ844
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159MHz
1380	4822 242 70304	crystal 8,867MHz
1602	4822 242 80276	crystal 10MHz

2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 50V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V
2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V
2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 32927	220nF
2219	4822 122 32927	220nF
2234	4822 122 32927	220nF
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1K 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2261	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 126 10324	33pF 63V
2306	4822 122 31772	47pF 5% 50V
2307	4822 122 31971	10pF 10% 50V
2310	4822 122 31774	56pF 5% 50V
2311	4822 122 31765	100pF 5% 50V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2375	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trimmer
2380	4822 125 50207	33pF trimmer
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V
2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 33105	56nF 10% 63V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	5322 124 41431	22µF 20% 35V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V
2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63V
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V

Small signal panel C D F H

2692	4822 122 31981	33nF ±0,5pF 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF ±0,5pF 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1µF 20% 63V
2702	4822 124 40242	1µF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22µF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22µF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33µF 20% 16V
2734	4822 122 32863	22nF 80% 50V
2736	4822 122 32597	6,8nF 10% 63V

3100	4822 051 10102	1k 2% 0,25W
3101	4822 116 52175	100Ω 5% 0,5W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3113	4822 116 52175	100Ω 5% 0,5W
3114	4822 116 52175	100Ω 5% 0,5W
3115	4822 116 52175	100Ω 5% 0,5W
3116	4822 116 52175	100Ω 5% 0,5W
3117	4822 051 20222	2k2 5% 0,1W
3119	4822 051 20222	2k2 5% 0,1W
3120	4822 051 20222	2k2 5% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10822	8k2 2% 0,25W
3123	4822 051 10822	8k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10471	470Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3133	4822 051 10151	150Ω 2% 0,25W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52183	16Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 050 11002	1k 1% 0,4W
3141	4822 050 11002	1k 1% 0,4W
3142	4822 050 11002	1k 1% 0,4W
3143	4822 050 11002	1k 1% 0,4W
3144	4822 050 11002	1k 1% 0,4W
3145	4822 050 11002	1k 1% 0,4W
3146	4822 050 11002	1k 1% 0,4W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3152	4822 051 10103	10k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10152	1k5 2% 0,25W
3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 10562	5k6 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	7Ω5 5% 0,33W
3160	4822 052 10109	10Ω 5% 0,33W
3160	4822 116 81203	10Ω 5% 0,3W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	7Ω5 5% 0,33W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10228	2Ω2 5% 0,33W
3167	4822 051 10122	1k2 2% 0,25W
3168	5322 111 90282	2k4 2% 0,25W
3169	4822 050 11002	1k 1% 0,4W
3170	4822 116 82772	3Ω9 5% 0.3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 052 10229	22Ω 5% 0,33W
3175	4822 051 10153	15k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10223	22k 2% 0,25W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 051 51201	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 20222	2k2 5% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10823	82k 2% 0,25W
3191	4822 051 56203	62k 1% 0,125W
3192	4822 051 10153	15k 2% 0,25W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k7 2% 0,25W
3201	4822 051 10472	4k7 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 052 10159	15Ω 5% 0,33W
3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 051 10471	470Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W
3241	4822 051 10759	75Ω 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3253	4822 051 10331	330Ω 2% 0,25W
3254	4822 052 10159	15Ω 5% 0,33W
3255	4822 051 10821	820Ω 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15Ω 5% 0,33W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100Ω 2% 0,25W
3269	4822 051 10561	560Ω 2% 0,25W
3270	4822 051 10472	4k7 2% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W
3272	4822 116 52228	680Ω 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W
3277	4822 051 10271	270Ω 2% 0,25W
3279	4822 051 10689	68Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3287	4822 051 10103	10k 2% 0,25W
3288	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10361	360Ω 2% 0,25W
3304	4822 051 51201	120Ω 1% 0,125W
3304	4822 051 10101	100Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220Ω 2% 0,25W
3306	4822 051 10241	240Ω 2% 0,25W
3310	4822 116 52207	1k2 5% 0,5W
3311	4822 051 10182	1k8 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 10362	3k6 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3329	4822 051 10392	3k9 2% 0,25W
3329	4822 051 10108	1Ω 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3339	4822 051 10391	390Ω 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3344	4822 051 10273	27k 2% 0,25W

Spare parts list / Stückliste / Liste

Small signal panel C D F H

3345	4822 051 10102	1k 2% 0,25W
3350	4822 051 51201	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	2Ω7 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10103	10k 2% 0,25W
3377	4822 051 10682	6k8 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10333	33k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10821	820Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 052 10249	24Ω 5% 0,33W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3471	4822 116 52233	10k 5% 0,5W
3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52175	100Ω 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3492	4822 051 10471	470Ω 2% 0,25W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 052 10109	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 052 10109	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W
3998	4822 051 10151	150Ω 2% 0,25W
3998	4822 051 10181	180Ω 2% 0,25W
3998	4822 051 10221	220Ω 2% 0,25W
3998	4822 051 10332	3k3 2% 0,25W
3998	4822 051 10393	39k 2% 0,25W
3998	4822 051 10473	47k 2% 0,25W
3998	4822 051 10563	56k 2% 0,25W
3998	4822 051 10333	33k 2% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W

Jumpers

4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 20008	0Ω 5% 0,1W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4237	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4346	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4376	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4600	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 53906	47µH 10%
5115	4822 152 20677	10µH 10%
5270	4822 157 52983	22µH 10%
5303	4822 157 63065	0,68µH 20%
5304	4822 157 63065	0,68µH 20%
5305	4822 157 62823	26µH 6%
5310	4822 157 63245	82µH 10%
5345	4822 157 62822	4,5µH 6%
5346	4822 157 62823	26µH 6%
5370	4822 157 62824	7,5µH 6%
5403	4822 157 63065	0,68µH 20%
5403	4822 157 53302	1µH 20%
5404	4822 157 63065	0,68µH 20%
5404	4822 157 53302	1µH 20%
5454	4822 157 63065	0,68µH 20%

Small

5455	
5456	
6117	
6120	
6121	
6163	
6165	
6166	
6168	
6172	
6173	
6178	
6205	
6206	
6207	
6256	
6257	
6280	
6281	
6342	
6343	
6386	
6387	
6450	
6465	
6478	
6479	
6480	
6610	
6660	
6661	
6662	
6663	
6664	
6665	
7119	5
7120	5
7121	4
7365	4
7130	5
7137	4
7175	5
7176	4
7177	4
7178	5
7182	5
7183	5
7186	4
7188	4
7193	4
7193	4
7216	4
7219	4
7243	5
7244	5
7258	5
7260	4
7261	5
7265	5
7268	4
7270	5

Small signal panel C D F H

5455	4822 157 63065	0,68µH 20%
5456	4822 157 63065	0,68µH 20%

6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
6280	4822 130 80446	LL4148
6281	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148

7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7175	5322 209 10883	PCF8574P
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	4822 130 60511	BC847B
7193	4822 209 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B

7273	4822 130 42615	BC817-40
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7680	4822 209 63734	TDA8425/V7
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

High end-box L M

Connectors

	4822 267 70257	IC socket 48P
	4822 255 40901	IC socket 40P
	4822 267 60252	IC socket 24P
	4822 267 50885	IC socket 16P
	4822 265 40472	10p gold plated

Various

1100	4822 242 72572	crystal 12MHz
1200	4822 242 71417	cryst. 13,875MHz

2100	4822 122 32999	2,2nF 5% 63V
2101	4822 122 32999	2,2nF 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10µF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33498	2,7nF 10% 63V
2107	4822 124 41715	220µF 20% 6,3V
2108	4822 124 41506	47µF 20% 16V
2109	4822 122 31965	220pF 5% 63V
2110	4822 122 31965	220pF 5% 63V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	5322 122 32163	5,6pF 5% 100V
2114	4822 122 33496	100nF 10% 63V
2115	4822 122 31965	220pF 5% 63V
2116	4822 122 31965	220pF 5% 63V
2117	5322 122 31842	330pF 5% 63V
2118	4822 122 31981	33nF ±0,5pF 50V
2119	4822 126 11492	220nF 10% 50V
2120	4822 122 31797	22nF 10% 63V
2121	4822 122 31797	22nF 10% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 33496	100nF 10% 63V
2125	4822 122 31971	10pF 10% 50V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 31765	100pF 5% 50V
2131	4822 122 31765	100pF 5% 50V
2133	4822 122 31765	100pF 5% 50V
2134	4822 122 31746	1000pF 5% 50V
2135	4822 122 31772	47pF 5% 50V
2136	4822 122 31746	1000pF 5% 50V
2137	4822 122 32504	15pF 5% 50V
2138	4822 122 31971	10pF 10% 50V
2139	4822 122 31772	47pF 5% 50V
2140	4822 122 31772	47pF 5% 50V
2141	4822 122 31772	47pF 5% 50V
2142	4822 122 31772	47pF 5% 50V
2143	4822 122 31772	47pF 5% 50V
2144	4822 122 31772	47pF 5% 50V
2146	4822 122 31746	1000pF 5% 50V
2147	4822 122 32507	6,8pF 5% 50V
2148	4822 122 31965	220pF 5% 63V
2149	4822 122 31965	220pF 5% 63V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31971	10pF 10% 50V
2152	4822 122 31774	56pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2155	4822 122 31972	39pF 5% 50V
2156	4822 122 31808	150pF 10% 50V
2157	4822 122 31808	150pF 10% 50V
2158	4822 122 33496	100nF 10% 63V
2159	4822 122 32444	33pF 5% 50V
2160	4822 122 31808	150pF 10% 50V
2161	4822 122 31808	150pF 10% 50V
2162	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2165	4822 122 31981	33nF +-0,5pF 50V
2166	4822 122 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 122 31772	47pF 5% 50V
2169	4822 124 41643	100µF 20% 16V
2170	4822 122 33496	100nF 10% 63V
2172	4822 122 33496	100nF 10% 63V
2173	4822 122 33496	100nF 10% 63V
2174	4822 122 33496	100nF 10% 63V
2175	4822 122 33496	100nF 10% 63V
2176	4822 122 33496	100nF 10% 63V
2177	4822 122 33496	100nF 10% 63V
2178	4822 122 33496	100nF 10% 63V
2179	4822 122 31768	180pF 5% 50V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 33496	100nF 10% 63V
2182	4822 122 33496	100nF 10% 63V
2183	4822 122 33496	100nF 10% 63V
2184	4822 122 31772	47pF 5% 50V
2185	4822 122 31772	47pF 5% 50V
2186	4822 122 32082	4,7pF 5% 50V
2187	4822 124 41715	220µF 20% 6,3V
2188	4822 122 32999	2,2nF 5% 63V
2198	4822 122 31971	10pF 10% 50V
2199	4822 122 31772	47pF 5% 50V
2200	4822 124 41643	100µF 20% 16V
2201	5322 122 31842	330pF 5% 63V
2202	4822 124 41576	2,2µF 20% 50V
2203	4822 122 31825	27pF 10% 50V
2204	4822 122 32442	10nF 50V
2205	4822 122 32442	10nF 50V
2206	4822 122 32504	15pF 5% 50V
2207	4822 122 31765	100pF 5% 50V
2208	4822 122 32142	270pF 5% 63V
2209	4822 122 31797	22nF 10% 63V
2210	4822 122 31727	470pF 5% 63V
2211	5322 122 31647	1nF 10% 63V
2212	4822 122 32504	15pF 5% 50V
2215	4822 124 41576	2,2µF 20% 50V
2216	4822 122 33496	100nF 10% 63V
2217	4822 124 41576	2,2µF 20% 50V
2218	4822 124 41596	22µF 20% 50V
2219	4822 122 33496	100nF 10% 63V
2220	4822 124 41577	4,7µF 20% 50V
2221	4822 122 33496	100nF 10% 63V
2222	4822 122 33496	100nF 10% 63V
2223	4822 124 41643	100µF 20% 16V
2224	4822 121 42937	2,7nF 1% 250V
2225	4822 122 31765	100pF 5% 50V
2227	4822 124 40435	10µF 20% 50V
2228	4822 122 32142	270pF 5% 63V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31765	100pF 5% 50V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220µF 20% 10V
2252	4822 122 33496	100nF 10% 63V
2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100µF 20% 16V
2265	4822 124 41643	100µF 20% 16V
2266	4822 126 11725	1µF 20% 50V
2268	4822 124 41997	470µF 10V
2269	4822 122 33496	100nF 10% 63V
2270	4822 122 33496	100nF 10% 63V
2271	4822 122 33496	100nF 10% 63V
2272	4822 122 33496	100nF 10% 63V
2273	4822 124 40731	330µF 20% 6,3V
2274	4822 124 41506	47µF 20% 16V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47µF 20% 16V
2286	4822 122 31765	100pF 5% 50V
2287	4822 122 31765	100pF 5% 50V
2289	5322 122 32269	6,8pF 5% 50V
2291	5322 122 32269	6,8pF 5% 50V
2292	4822 124 41643	100µF 20% 16V
2293	5322 122 32269	6,8pF 5% 50V
2294	4822 122 31769	18pF 5% 50V
2295	5322 122 32269	6,8pF 5% 50V
2296	4822 122 31769	18pF 5% 50V
2297	5322 122 32269	6,8pF 5% 50V
2298	4822 122 31769	18pF 5% 50V
2299	5322 122 32269	6,8pF 5% 50V
2301	4822 122 33496	100nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2303	4822 122 33496	100nF 10% 63V
2304	4822 122 32442	10nF 50V
2305	4822 122 32442	10nF 50V
2306	4822 122 32442	10nF 50V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	4822 122 33496	100nF 10% 63V
2310	4822 124 41997	470µF 20% 10V
2311	4822 124 41506	47µF 20% 16V
2312	4822 122 31769	18pF 5% 50V

3000	4822 116 52186	22Ω 5% 0,5W
3000	4822 116 52188	27Ω 5% 0,5W
3001	4822 051 10102	1k 2% 0,25W
3001	4822 051 10122	1k2 2% 0,25W
3100	4822 051 20222	2k2 5% 0,1W
3101	4822 051 20222	2k2 5% 0,1W
3102	4822 051 10473	47k 2% 0,25W
3103	4822 051 10473	47k 2% 0,25W
3104	4822 051 10181	180Ω 2% 0,25W
3106	4822 051 10752	7k5 2% 0,25W
3107	4822 051 10562	5k6 2% 0,25W
3108	4822 051 10331	330Ω 2% 0,25W
3109	4822 051 10152	1k5 2% 0,25W
3110	4822 051 10102	1k 2% 0,25W
3111	4822 051 10473	47k 2% 0,25W
3112	4822 051 10103	10k 2% 0,25W
3113	4822 051 10109	10Ω 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W

High end-box L M

3120	4822 051 10332	3k3 2% 0,25W	
3121	4822 051 10472	4k7 2% 0,25W	
3122	4822 051 10473	47k 2% 0,25W	
3123	4822 051 10122	1k2 2% 0,25W	
3124	4822 051 10101	100Ω 2% 0,25W	
3126	4822 051 10272	2k7 2% 0,25W	
3127	4822 051 10221	220Ω 2% 0,25W	
3131	4822 051 10109	10Ω 2% 0,25W	
3132	4822 051 10152	1k5 2% 0,25W	
3133	4822 051 10101	100Ω 2% 0,25W	
3134	4822 051 10221	220Ω 2% 0,25W	
3135	4822 051 10272	2k7 2% 0,25W	
3136	4822 116 81193	15Ω 5% 0,3W	
3137	4822 051 10223	22k 2% 0,25W	
3138	4822 051 10124	120k 2% 0,25W	
3139	4822 051 10101	100Ω 2% 0,25W	
3140	4822 051 10224	220k 2% 0,25W	
3141	4822 051 10223	22k 2% 0,25W	
3142	4822 051 10104	100k 2% 0,25W	
3143	4822 051 10104	100k 2% 0,25W	
3144	4822 051 10272	2k7 2% 0,25W	
3145	4822 051 10759	75Ω 2% 0,25W	
3146	4822 051 20222	2k2 5% 0,1W	
3147	4822 051 10279	27Ω 2% 0,25W	
3148	4822 051 10479	47Ω 2% 0,25W	
3151	4822 051 10102	1k 2% 0,25W	
3152	4822 051 10621	620Ω 2% 0,25W	
3153	4822 051 10122	1k2 2% 0,25W	
3155	4822 051 10271	270Ω 2% 0,25W	
3156	4822 051 10102	1k 2% 0,25W	
3157	4822 051 10151	150Ω 2% 0,25W	
3158	4822 051 10331	330Ω 2% 0,25W	
3159	4822 051 20222	2k2 5% 0,1W	
3160	4822 051 10241	240Ω 2% 0,25W	
3161	4822 051 10221	220Ω 2% 0,25W	
3162	4822 051 10102	1k 2% 0,25W	
3163	4822 051 10332	3k3 2% 0,25W	
3164	4822 051 20222	2k2 5% 0,1W	
3165	4822 051 10332	3k3 2% 0,25W	
3166	4822 051 20222	2k2 5% 0,1W	
3168	4822 051 10221	220Ω 2% 0,25W	
3169	4822 051 10105	1M 5% 0,25W	
3170	4822 051 10102	1k 2% 0,25W	
3171	4822 051 10102	1k 2% 0,25W	
3172	4822 051 51102	1k1 1% 0,125W	
3173	4822 051 10102	1k 2% 0,25W	
3174	4822 051 10102	1k 2% 0,25W	
3175	4822 051 10683	68k 2% 0,25W	
3176	4822 051 10103	10k 2% 0,25W	
3198	4822 051 10008	0Ω 5% 0,25W	
3200	4822 111 41423	18Ω 5% 0,3W	
3202	4822 051 10101	100Ω 2% 0,25W	
3203	4822 051 10101	100Ω 2% 0,25W	
3204	4822 051 10103	10k 2% 0,25W	
3205	4822 051 10102	1k 2% 0,25W	
3206	4822 051 10332	3k3 2% 0,25W	
3207	4822 051 10104	100k 2% 0,25W	
3208	4822 051 10102	1k 2% 0,25W	
3209	4822 051 10562	5k6 2% 0,25W	
3210	4822 111 41424	22Ω 5% 0,3W	
3211	4822 051 10229	22Ω 2% 0,25W	
3212	4822 051 10122	1k2 2% 0,25W	
3213	4822 051 10561	560Ω 2% 0,25W	
3214	4822 051 10303	30k 2% 0,25W	
3215	4822 051 10102	1k 2% 0,25W	
3216	4822 051 10562	5k6 2% 0,25W	
3217	4822 051 10101	100Ω 2% 0,25W	
3218	4822 051 10155	1M5 5% 0,25W	

3220	4822 051 10473	47k 2% 0,25W	
3221	4822 051 10181	180Ω 2% 0,25W	
3222	4822 051 10683	68k 2% 0,25W	
3223	4822 051 10102	1k 2% 0,25W	
3224	4822 051 20222	2k2 5% 0,1W	
3225	4822 051 10221	220Ω 2% 0,25W	
3226	4822 051 10681	680Ω 2% 0,25W	
3227	4822 051 10221	220Ω 2% 0,25W	
3228	4822 100 11483	10k 30% LIN	
3230	4822 051 10562	5k6 2% 0,25W	
3231	4822 051 20222	2k2 5% 0,1W	
3232	4822 051 10102	1k 2% 0,25W	
3251	4822 051 10393	39k 2% 0,25W	
3252	4822 051 10751	750Ω 2% 0,25W	
3253	4822 051 10751	750Ω 2% 0,25W	
3254	4822 051 10221	220Ω 2% 0,25W	
3255	4822 051 10471	470Ω 2% 0,25W	
3256	4822 051 10681	680Ω 2% 0,25W	
3260	4822 051 10822	8k2 2% 0,25W	
3261	4822 051 10472	4k7 2% 0,25W	
3262	4822 111 41424	22Ω 5% 0,3W	
3274	4822 051 10223	22k 2% 0,25W	
3275	4822 051 10102	1k 2% 0,25W	
3276	4822 051 10392	3k9 2% 0,25W	
3279	4822 051 10122	1k2 2% 0,25W	
3280	4822 051 10102	1k 2% 0,25W	
3281	4822 051 20222	2k2 5% 0,1W	
3290	4822 051 10561	560Ω 2% 0,25W	
3291	4822 051 10561	560Ω 2% 0,25W	
3292	4822 051 10561	560Ω 2% 0,25W	
3293	4822 051 10561	560Ω 2% 0,25W	
3296	4822 051 55601	560Ω 1% 0,25W	
3297	4822 051 52611	261Ω 1% 0,25W	
3298	4822 051 10102	1k 2% 0,25W	
3299	4822 051 10102	1k 2% 0,25W	
3301	4822 051 10339	33Ω 2% 0,25W	
3302	4822 051 10339	33Ω 2% 0,25W	
3303	4822 051 10339	33Ω 2% 0,25W	
3304	4822 051 10109	10Ω 2% 0,25W	
3310	4822 051 10912	9k1 2% 0,25W	
3320	4822 051 10008	0Ω 5% 0,25W	
3321	4822 051 10008	0Ω 5% 0,25W	
3322	4822 051 10008	0Ω 5% 0,25W	

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W

5040	4822 157 52983	22µH 10%
5041	4822 157 52983	22µH 10%
5100	4822 157 63246	6µH
5101	4822 157 63247	1,4µH
5102	4822 157 52403	3,3µH 10%
5103	4822 157 60147	2,2µH
5104	4822 157 60147	2,2µH
5105	4822 157 60147	2,2µH
5106	4822 157 60147	2,2µH
5107	4822 157 60147	2,2µH
5108	4822 157 60147	2,2µH
5109	4822 157 60147	2,2µH
5150	4822 157 52224	15µH 10%
5151	4822 157 60498	56µH 10%
5152	4822 157 60498	56µH 10%
5201	4822 157 52224	15µH 10%

5202	4822 157 52138	27µH 10%
5251	4822 157 60147	2,2µH
5252	4822 157 60147	2,2µH

6102	5322 130 80119	BBY40
6103	5322 130 80119	BBY40
6150	4822 130 82914	DIODE
6160	4822 130 80446	LL4148
6200	4822 130 80884	LLZ-C5V1
6201	4822 130 31253	BZX55-C2V4
6202	4822 130 80446	LL4148
6250	4822 130 33706	BZX84-B5V1
6251	4822 130 80446	LL4148

7100	4822 130 61207	BC848
7101	5322 130 42136	BC848C
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7105	5322 130 42012	BC858
7106	4822 130 61207	BC848
7107	4822 130 61207	BC848
7108	4822 130 40938	BC548
7109	5322 130 42012	BC858
7110	5322 130 42012	BC858
7111	4822 130 61207	BC848
7112	5322 130 42012	BC858
7113	5322 130 42012	BC858
7116	4822 130 42131	BF550
7117	4822 130 42131	BF550
7119	5322 130 42136	BC848C
7120	5322 130 42136	BC848C
7121	5322 130 42136	BC848C
7122	5322 130 42136	BC848C
7123	4822 130 42513	BC858C
7124	5322 130 42136	BC848C
7125	5322 130 42136	BC848C
7156	4822 130 61207	BC848
7157	4822 130 61207	BC848
7159	4822 130 61207	BC848
7160	5322 130 42012	BC858
7170	4822 130 42513	BC858C
7200	4822 209 63645	SAA5231/V7
7201	4822 209 63902	SAA9042P/A
7202	4822 209 63893	LH2464-10
7203	4822 209 63423	TDA2579B/N2
7204	4822 209 30868	PCF80C51BH-3P
7205	4822 209 63892	UPD91237C
7206	4822 209 82341	PC74HCT04P
7207	4822 209 82341	PC74HCT04P
7209	4822 209 83163	LM833N
7210	4822 209 63894	PC74HCT4066P
7211	4822 209 30913	TDA8703/C4
7212	4822 209 30913	TDA8703/C4
7213	4822 209 30913	TDA8703/C4
7214	5322 209 11588	PC74HCT195P
7215	5322 209 11588	PC74HCT195P
7216	5322 209 11588	PC74HCT195P
7217	5322 209 11588	PC74HCT195P
7218	4822 209 72042	MC78L05ACP
7250	4822 209 60525	TMS4C1050-3N
7251	4822 209 60525	TMS4C1050-3N
7252	4822 209 60525	TMS4C1050-3N
7253	4822 209 63891	SDA9060
7254	4822 209 63897	TDA4563/V5

Spare parts list / Stückliste / Liste

PIP panel J

Connectors

	4822 265 40503	5P female gold
	4822 265 40472	10P female gold
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867MHz
1212	4822 242 70736	crystal 7,159MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

Capacitors

2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF
2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10µF 20% 50V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

Resistors

3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W
3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

PIP pa

Resistors

3600	
3601	
3602	
3603	
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3997	

Jumpers

4001	
4002	
4003	
4005	
4007	
4009	
4011	
4012	
4013	
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4015	
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4403	
4404	
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4419	

PIP panel J

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W

Jumpers

4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

5118	4822 157 60435	10,3µH 6%
5155	4822 157 60433	7,2µH 6%
5157	4822 157 60434	9,4µH 6%
5170	4822 157 60432	10,3µH
5175	4822 157 60432	10,3µH
5190	4822 157 60432	10,3µH
5400	4822 157 50943	12µH 10%
5402	4822 157 50943	12µH 10%
5403	4822 157 52333	100µH
5406	4822 157 50943	12µH 10%
5408	4822 157 50943	12µH 10%
5410	4822 157 50943	12µH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Spare parts list / Stückliste / Liste

Picture tube panel E

Connectors

	4822 265 20509	2P male grey
	4822 265 40596	2P male
	4822 267 40985	6P male black
	4822 290 40295	7P male grey

Various parts

	4822 492 70788	spring fix IC
	4822 255 70261	picture tube socket
1030	4822 212 23711	PTP 25"-28"
1030	4822 212 23953	PIP 33"

2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3µF 20% 250V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V

3537	4822 052 11128	1Ω2 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 5% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3721	4822 051 10101	100Ω 2% 0,25W
3724	4822 051 10272	2k7 2% 0,25W
3725	4822 051 10332	3k3 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k5 5% 0,5W
3728	4822 111 50518	1k5 5% 0,5W
3730	4822 111 50518	1k5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W

3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W

5700	4822 157 60155	33µH 7,5%
5701	4822 157 60155	33µH 7,5%

6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24

7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module K

Connectors

	4822 265 41087	9P male

Various parts

1001	4822 242 81128	cryst. 17.470MHz
1002	4822 242 72301	filter TH316BOM - 20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	cryst. 11.170MHz
1003	4822 242 81127	cryst. 13.100MHz
1106	4822 242 72303	filter TH316BQM
1600	4822 212 23907	NICAM PAL BG
1600	4822 212 23908	NICAM PAL I

2000	4822 122 31947	100nF 20% 63V
2001	4822 124 40433	47µF 20% 25V
2002	4822 122 31797	22nF 10% 63V
2003	4822 122 31797	22nF 10% 63V
2004	4822 122 31768	180pF 5% 50V
2005	4822 122 31768	180pF 5% 50V
2006	5322 122 31842	330pF 5% 63V
2007	4822 122 32597	6,8nF 10% 63V
2008	4822 122 31808	150pF 10% 50V
2009	4822 122 32442	10nF 50V
2010	4822 122 31808	150pF 10% 50V
2011	4822 122 31766	120pF 5% 50V
2012	4822 121 41854	150nF 5% 63V
2013	4822 122 31746	1000pF 5% 50V
2014	4822 122 32442	10nF 50V
2015	4822 125 50045	20pF trim.
2016	4822 122 31961	68pF 5% 63V
2017	4822 121 42408	220nF 5% 63V
2018	4822 122 32442	10nF 50V
2019	4822 122 31797	22nF 10% 63V
2020	4822 124 40433	47µF 20% 25V
2021	4822 122 31782	15nF 10% 50V
2021	4822 122 32856	8,2nF 10% 63V
2022	4822 122 31981	33nF ±0,5pF 50V
2022	4822 122 31759	18nF
2023	4822 122 31981	33nF ±0,5pF 50V
2023	4822 122 31759	18nF
2024	4822 122 31782	15nF 10% 50V
2024	4822 122 32856	8,2nF 10% 63V
2025	4822 122 31797	22nF 10% 63V
2026	4822 124 40433	47µF 20% 25V
2027	4822 122 31773	560pF 5% 50V
2028	4822 126 10171	2,7nF 5% 50V
2029	4822 122 32999	2,2nF 5% 50V
2030	4822 122 32999	2,2nF 5% 50V
2031	4822 126 10171	2,7nF 5% 50V
2032	4822 122 31773	560pF 5% 50V
2033	4822 126 11492	220nF 10% 63V
2034	4822 126 11492	220nF 10% 63V
2035	4822 122 31746	1000pF 5% 50V
2036	4822 122 32442	10nF 50V
2037	4822 122 32442	10nF 50V
2038	4822 122 31797	22nF 10% 63V
2039	4822 126 11691	150nF 10% 63V
2040	4822 122 33669	150nF 20% 50V
2041	5322 122 31647	1nF 10% 63V
2042	4822 126 10183	330pF 10% 63V
2043	5322 122 31647	1nF 10% 63V
2044	5322 122 31647	1nF 10% 63V
2050	4822 124 40433	47µF 20% 25V

2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V

3000	4822 051 10471	470Ω 2% 0,25W
3002	4822 051 10332	3k3 2% 0,25W
3003	4822 051 10332	3k3 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10823	82k 2% 0,25W
3007	4822 051 10223	22k 2% 0,25W
3008	4822 051 10223	22k 2% 0,25W
3009	4822 051 10392	3k9 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 053 20106	10M 5% 0,25W
3013	4822 051 10824	820k 2% 0,25W
3014	4822 051 10103	10k 2% 0,25W
3015	4822 051 10682	6k8 2% 0,25W
3015	4822 051 10123	12k 2% 0,25W
3016	4822 051 10122	1k2 2% 0,25W
3016	4822 051 20222	2k2 5% 0,1W
3017	4822 051 10122	1k2 2% 0,25W
3017	4822 051 20222	2k2 5% 0,1W
3018	4822 051 10682	6k8 2% 0,25W
3018	4822 051 10123	12k 2% 0,25W
3019	4822 051 10752	7k5 2% 0,25W
3019	4822 051 10562	5k6 2% 0,25W
3020	4822 051 10472	4k7 2% 0,25W
3021	4822 051 10472	4k7 2% 0,25W
3022	4822 051 10472	4k7 2% 0,25W
3023	4822 051 10472	4k7 2% 0,25W
3024	4822 051 10184	180k 2% 0,25W
3025	4822 051 10184	180k 2% 0,25W
3026	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 052 10109	10Ω 5% 0,33W
3030	4822 051 10102	1k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10569	56Ω 2% 0,25W
3033	4822 051 20222	2k2 5% 0,1W
3034	4822 051 10431	430Ω 2% 0,25W
3035	4822 051 10241	240Ω 2% 0,25W
3036	4822 051 10102	1k 2% 0,25W
3037	4822 051 10159	15Ω 2% 0,25W
3049	4822 051 10223	22k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 116 90536	120Ω 1% 0,125W

Jumpers

4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4052	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W

5000	4822 157 50975	1mH 10%
5001	4822 157 50975	1mH 10%
5002	4822 157 51235	4,7µH 10%
5003	4822 157 51235	4,7µH 10%

6000	4822 130 30621	1N4148
6005	4822 209 30911	OF4076
6006	5322 130 31684	BB809
6050	4822 130 80446	LL4148

7000	4822 209 30909	TDA8732/C1
7001	4822 209 30914	SAA7280/M3
7002	4822 209 83163	LM833N
7003	4822 209 83163	LM833N
7004	5322 209 10576	4053B
7007	4822 209 73236	TDA1543/N2
7008	5322 130 42755	BC847C
7009	4822 130 60887	BF840
7050	5322 130 42136	BC848C

Y/C detector D

Connectors

	4822 265 40503	5P female gold
	4822 265 30431	3P female gold

Various parts

1231	4822 242 80364	filter 4,43MHz

2225	4822 124 40196	220µF 20% 16V
2226	4822 122 32927	220nF
2228	4822 122 32927	220nF
2235	4822 122 31965	220pF 5% 63V
2236	4822 122 31772	47pF 5% 50V
2237	4822 122 32142	270pF 5% 63V
2238	4822 122 31768	180pF 5% 50V
2239	4822 122 31947	100nF 20% 63V
2244	4822 124 20722	1µF 10% 63V
2246	4822 122 31947	100nF 20% 63V
2247	4822 122 31766	120pF 5% 50V
2261	4822 124 20678	47µF 10% 10V
2262	4822 122 31808	150pF 10% 50V
2269	4822 124 20726	4,7µF 10% 63V

3200	4822 050 11002	1k 1% 0,4W
3201	4822 116 83006	2M7 5% 0,5W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3212	4822 051 10751	750Ω 2% 0,25W
3213	4822 051 10008	0Ω 5% 0,25W
3213	4822 051 10153	15k 2% 0,25W
3214	4822 051 10153	15k 2% 0,25W
3221	4822 051 10472	4k7 2% 0,25W
3223	4822 116 52203	91Ω 5% 0,5W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 116 52243	1k5 5% 0,5W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 051 10102	1k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W
3236	4822 051 10331	330Ω 2% 0,25W
3250	4822 051 10151	150Ω 2% 0,25W
3258	4822 051 10102	1k 2% 0,25W
3272	4822 051 10471	470Ω 2% 0,25W
3278	4822 051 10472	4k7 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3282	4822 051 10103	10k 2% 0,25W
3283	4822 051 10472	4k7 2% 0,25W
3284	4822 051 10102	1k 2% 0,25W
3289	4822 051 10102	1k 2% 0,25W
3302	4822 051 10102	1k 2% 0,25W
3307	4822 051 10474	470k 2% 0,25W
3308	4822 051 10471	470Ω 2% 0,25W
3309	4822 051 10008	0Ω 5% 0,25W
3319	4822 051 10102	1k 2% 0,25W

5200	4822 157 62824	7,5µH
5201	4822 157 62824	7,5µH
5202	4822 157 60122	4,7µH 10%

6258	4822 130 80905	LLZ-F5V1

7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7262	5322 130 41983	BC858B
7263	5322 130 41982	BC848B
7264	4822 130 42353	BFS19
7266	5322 130 42136	BC848C
7267	4822 130 42513	BC858C
7274	5322 130 42136	BC848C
7275	4822 130 42513	BC858C
7276	5322 130 41983	BC858B
7277	5322 130 41982	BC848B
7278	5322 130 41982	BC848B